



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO: - 04/2003 (Revised)

**NAME OF PROJECT: RE-EXCAVATION OF KUMAR RIVER (1ST REVISED) (INTER
ITEM COST ADJUSTMENT).**

DIVISION : FARIDPUR O&M DIVISION, BWDB, FARIDPUR.
CIRCLE : FARIDPUR O&M CIRCLE, BWDB, FARIDPUR.
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** : Re-excavation of Kumar River (1st Revised)
(Inter Item Cost Adjustment).
- 02. Administrative Ministry/Division** : Ministry of Water Resources (MoWR).
- 03. Executing Agency** : Bangladesh Water Development Board (BWDB)
- 04. Location of the Project** :

Division	District	Upazila
Dhaka	Faridpur	Faridpur Sadar, Nagarkanda, Shaltha, Boalmari & Bhanga.
	Gopalganj	Muksudpur.

- 05. Objective of the Project** :

- To provide drainage improvement & flood protection of net 23540 Ha area and navigation facilities will be improved by re-excavation of 8.5 KM and dredging of 54.510 KM of Kumar River.
- To reduce intensity of flood, damages of crops, properties and human sufferings of net 23540 Ha areas.
- To provide irrigation facilities for 23540 Ha area to increase paddy production 34104.00 Mt.
- To improve farm income and employment opportunities by improving the water resources facilities.
- To reduce poverty level within the project area.

- 06. Estimated Cost** :

(In lakh Taka)

	Original	1 st Revised	Inter Item Cost Adjustment
(a) Total	25081.67	21324.91	21324.91
(b) Taka	25081.67	21324.91	21324.91
(c) Foreign Currency	-	-	
(d) Project Aid	-	-	
(e) RPA	-	-	

07.	Date of Approval	:	PCP	PP
(a)	Original	:	-	10/11/2016
(b)	No Cost Time Extension (1 st)	:	-	23/01/2020
(c)	No Cost Time Extension (2 nd)	:	-	02/03/2021
(d)	1 st Revised	:	-	30/06/2021
(e)	No Cost Time Extension (3 rd)	:	-	01/08/2022

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	July, 2016	December, 2019
(b) No Cost Time Extension (1 st)	July, 2016	December, 2020
(c) No Cost Time Extension (2 nd)	July, 2016	June, 2022
(d) 1 st Revised	July, 2016	June, 2022
(e) Inter Item Cost Adjustment	July, 2016	June, 2022
(f) No Cost Time Extension (3 rd)	July, 2016	June, 2023
(g) Actual	July, 2016	June, 2023

09. Financing Arrangement (Source-wise): GoB

9.1 Status of Loan/Grant

a) Foreign Financing: N/A

Source (s)	Currency as per Agreement	Amount in US \$ (Million)	Nature (Loan/Grant / supplier's/ credit)	Date of Agreement	Date of Effectiveness	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
21324.91	-	21324.91	-

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

(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

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

(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

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
July 2016 to June 2019	July 2016 to December 2019	July 2016 to June 2023	99.40%	The original time period for the project was July, 2016 to December, 2019. But due to various reasons the project could not completed in due time. A lot of time was spent in DPM Processing to Contract signing. Then the progress of work of the Contractor (Dockyard Engineering Works Ltd.) was slower in comparison with time. Due to Covid-19 pandemic and all out lockdown through the whole country from March/2020 to October, 2020 in 1 st phase and April, 2021 to September, 2021 in 2 nd phase, the project was forcefully stopped. Beside this scarcity of skilled labor, unavailability of construction equipments & materials and prolonged rainy seasons, the project work was hampered and delayed the completion of the project.

02. Cost of the Project:**(In lakh Taka)**

Description	Estimated Cost		Actual Expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest			
1	2	3	4	5	6
TOTAL	25081.67	21324.91	20539.57	(-) 18.11%	The Project has been completed by 18.11 % less than the original DPP cost because the amount of earthwork decreased as per joint survey done by IWM and Taskforce, BWDB in the revised DPP and also for negative variation approved by CCGP.
TAKA	25081.67	21324.91	20539.57		
PA	-	-	-		

03. Project Personnel: Project Work has been implemented by existing manpower of Faridpur O&M Division, BWDB.

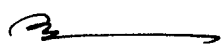
Sanctioned strength as per PP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per pp	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s)	Existing manpower of the implementing agency were deployed during implementation of the project.					
Staff(s)						
Total:						

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

b. Local

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 (+/-)
		Financia l	Physic al (Quant ity)	Financia l	Physical (Quanti ty)	
1	2	3	4	5	6	7
Revenue Component						
Petrol and Lubricant	LS	20.00	100%	19.99	100%	
Printing & Publications	LS	4.00	100%	4.00	100%	
Office Stationery, Seal & Stamps	LS	7.00	100%	7.00	100%	
Honorarium/ Fee/ Remuneration	LS	18.00	100%	16.89	100%	
Mid Term Project Evaluation	LS	10.00	100%	10.00	100%	
Survey & Investigation	LS	20.00	100%	19.84	100%	
Repair & Maintenance of Existing Vehicles.	LS	10.00	100%	6.00	100%	
Repair, Maintanance of Office Building	LS	49.92	100%	49.92	100.00%	
Repair, Maintanance of Residential Building/ Banglow	LS	99.75	100%	99.75	100.00%	
Sub Total (Revenue)		238.67		233.39		
Capital Component						
Jeep (2477 CC, 1 No) (5 Doors)	Nos	56.61	100%	56.61	100%	
Motor Cycle (125 CC) (4 Nos.)	Nos	8.00	100%	7.64	100%	
Engineering Instrument (Total Station with accessories) (1 Nos.)	Nos	14.60	100%	14.60	100%	
Desktop Computer with Laser Printer (2 nos)	Nos	2.49	100%	2.49	100%	
Forestation (Tree Plantation)-1 Item	LS	10.00	100%	9.95	100%	
Additional Regulator Construction (6 Vent-1.5 Meter	Nos	2539.99	100%	20214.88		
Re-excavation of Kumar Intake (from Km: 0.00 to Km: 1.420) (Earth Volume: 109942.00 cum)	K.M. 1.10 Lac Cum.	154.42	100%		1.420 KM 0.86 Lac Cum	Cost has decreased because the amount of earthwork decreased as per joint survey done by IWM and Taskforce, BWDB in the revised DPP.
Re-excavation of Kumar River (from Km: 0.174 to Km: 4.109=3.935Km) (Earth Volume: 446378.81 cum)	K.M. 4.46 Lac Cum	500.36	100%		3.935 KM 3.47 Lac Cum	
Dredging of Kumar River (from Km: 4.109 to Km: 8.500= 4.391 km.)(from Km 16.477 to Km 50.977=34.500Km) (Total=38.891 Km ,Earth Volume: 2708683.02cum)	K.M. 27.09 Lac Cum	5932.84	100%		37.183 KM 17.25 Lac Cum	

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
Re-excavation of Mandartala Khal (from Km: 0.00 to Km: 9.095) (Earth Volume: 360075.35 cum)	K.M. 3.60 Lac Cum	357.74	100%	20214.88	9.050 KM 2.66 Lac Cum	Cost has decreased because the amount of earthwork decreased as per joint survey done by IWM and Taskforce, BWDB in the revised DPP.
Re-excavation of Mora Kumar (from Km: 0.00 to Km: 34.00)=34.00, (from Km: 50.00 to Km: 74.250 km) = 24.25 km, (from km 111.800 to km 112.400)=0.600, (from km 113.200 to km 114.614)=1.414km, (from km 119.366 to km 121.290)=1.924km Total 34+24.25+.6+1.414+1.924=62.188km (Earth Volume: 5932888.80 cum)	K.M. 59.33 Lac Cum	7699.15	100%		62.288 KM 50.43 Lac Cum	
Dredging of Mora Kumar River (from Km: 102.25 to Km: 111.80)=9.55 km, (from km 112.400 to km 113.200)=0.800km, (from 114.614 to km 119.366)=4.752 km; Total=9.55+.8+4.752=15.102 km (Earth Volume: 1473064.92 cum)	K.M. 14.73 Lac Cum	1682.93	100%		14.980 KM 8.54 Lac Cum	
Construction 61 nos. RCC Ghatla & Stair with Change room	Nos	1947.11	100%		61 nos. RCC Ghatla & Stair	
O&M During Construction (1 Item)	1 Item	100.00	100%			
Physical contingency, 1 Item	1 Item	30.00	100%			
Price contingency, 1 Item	1 Item	50.00	100%			
Grand Total:		21324.91		20539.57	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
Mohammad Ali Addl. Chief Engineer Scale: 56500-74400 (3 rd Grade)	Full Time	-	Yes	16/03/2017	11/08/2017	
A K M Wahed Uddin Chowdhury Addl. Chief Engineer Scale: 56500-74400 (3 rd Grade)	Full Time	-	Yes	28/12/2017	27/10/2020	
Md. Abdul Hekim Addl. Chief Engineer Scale: 56500-74400 (3 rd Grade)	Full Time	-	Yes	09/12/2020	28/06/2022	
Md. Abdul Hannan Addl. Chief Engineer Scale: 56500-74400 (3 rd Grade)	Full Time	-	Yes	08/08/2022	03/01/2023	
Md. Shahjahan Siraj Addl. Chief Engineer Scale: 56500-74400 (3 rd Grade)	Full Time	-	Yes	06/02/2023	30/09/2023	

07. Procurement of Transport (in Nos.):

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
Jeep (2477 CC, 1 No) (5 Doors)	1	20/11/ 2018	-	20/11/ 2018	-	Faridpur-THA-11- 0057 (used by XEN, Faridpur.)
Motor Cycle (125cc)	4	30/06/ 2022	-	30/06/ 2022	-	Faridpur-HA-13-3919 (used by SAE/SO Sadarpur); Faridpur-HA-13-4271 (used by SAE/SO, Faridpur-2); Faridpur-HA-13-4425 (used by

						SAE/SO,Boalmari); Faridpur-HA-13-4426 (used by SAE/SO, Faridpur-1).
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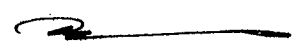
08. Procurement of Goods, Works and Consultancy Services:

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 Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Re-excavation of Kumar River 44.246KM, Mora Kumar River 77.290 KM, Mandartola Khal 9.095 KM, Construction of 1 No. (6- Vent) Regulator, Construction of 21 Nos. RCC Ghat & Stair with Change Room in Upazilla Faridpur Sadar, Nagrakanda, Saltha, Boarmari & Bhanga of District Faridpur and Upazilla Muksudpur of District Gopalganj. (Package: KUMAR/DPM-02)	Orginal- 25081.67 Revised- 15453.12	Orginal 17567.36 Revised- 15453.12	21/09/2017	04/02/2018	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work (440 m) to protect the additional 6 vent Madankhali Regulator over kumar river at Madankhali in c/w "Re-excavation of Kumar River Project" in Upazilla-Faridpur Sadar, District-Faridpur under Faridpur O&M Division, BWDB, Faridpur during the year 2021-22.(Regulator /PW/ 2021-22) (e-Tender ID-635911)	Orginal-1357.12 Revised-1429.07	Orginal-1279.76 Revised-1429.07	9/12/2021	05/02/2022	30/06/2023	30/06/2023
Dredging Work of Kumar River from CH KM 16.477 to KM 26.877 = 10.40 KM c/w "Re-excavation of Kumar River Project" Under Faridpur O&M Division , BWDB, Faridpur during the FY 2021-22.(KUMAR/DREG-01/2021-22) (e-Tender ID-643883)	346.44	345.57	2/01/2022	8/02/2022	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Dredging Work of Kumar River from CH KM 5.609 to KM 8.500 = 2.891 KM c/w "Re-excavation of Kumar River Project" Under Faridpur O&M Division, BWDB,	561.37	561.37	6/01/2022	23/03/2022	30/06/2023	30/06/2023
Dredging Work of Kumar River from CH KM 26.877 to KM 27.577 = 0.700 KM c/w "Re-excavation of Kumar River Project" Under Faridpur O&M Division , BWDB, Faridpur during the FY 2021-22.(KUMAR/DREG-03/2021-22) (Tender ID:650250)	261.22	257.39	20/01/2022	16/03/2022	30/06/2023	30/06/2023

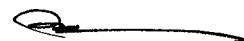
Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of 5 nos RCC Ghat-stair with change room at different places of Kumar & Mora Kumar River in c/w 'Re-excavation of Kumar River Project' in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-1/2021-22) (Tender ID: 624640)	134.10	128.99	11/11/2021	27/01/2022	30/06/2023	30/06/2023
Construction of 5 nos RCC Ghat-stair with change room at different places of Kumar & Mora Kumar River in c/w 'Re-excavation of Kumar River Project' in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-2/2021-22) (Tender ID:627440)	153.24	137.92	16/11/2021	2/02/2022	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of 5 nos RCC Ghat-stair with change room at different places of Kumar & Mora Kumar River in c/w 'Re-excavation of Kumar River Project' in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-3/2021-22) (Tender ID:629085)	148.17	133.35	16/11/2021	2/02/2022	30/06/2023	30/06/2023
Construction of 5 nos RCC Ghat/stair with change room at different places of Kumar & Mora Kumar River in c/w 'Re-excavation of Kumar River Project in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-4/2021-22) (Tender ID:635424)	146.13	137.99	23/12/2021	27/01/2022	30/06/2023	30/06/2023




Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of 5 nos RCC Ghat/stair with change room at different places of Kumar & Mora Kumar River in c/w "Re-excavation of Kumar River Project in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-5/2021-22) (Tender ID:635496)	139.52	134.99	23/12/2021	27/01/2022	30/06/2023	30/06/2023
Construction of 5 nos RCC Ghat/stair with change room at different places of Kumar & Mora Kumar River in c/w "Re-excavation of Kumar River Project" in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-6/2021-22) (Tender ID:635517)	144.49	138.99	23/12/2021	27/01/2022	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of 5 nos RCC Ghat/stair with change room at different places of Kumar & Mora Kumar River in c/w "Re-excavation of Kumar River Project in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-7/2021-22). (Tender ID: 624854)	132.16	127.99	11/11/2021	27/01/2022	30/06/2023	30/06/2023
Construction of 5 nos RCC Ghat/stair with change room at different places of Kumar & Mora Kumar River in c/w "Re-excavation of Kumar River Project in District: Faridpur under Faridpur O&M Division during the FY 2021-22 (Package: KMG-8/2021-22) (Tender ID: 624929)	143.05	138.70	11/11/2021	26/01/2022	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Placing of Pavement Tiles on different RCC ghatlas with ancillary masonry work in c/w " Kumar River Re-excavation Project" under Faridpur O&M Division, BWDB, Faridpur during the FY 2021-22.(Package: KMG-9/2021-22) (Tender ID: 700779)	177.74	159.97	18/05/2022	21/06/2022	30/06/2023	30/06/2023
(KUMAR/DREG-01/01/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 16.477 to km 26.877 = 10.40 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division, BWDB, Faridpur during the FY 2021-22 (Part-1) (Tender ID: 685286)	139.91	139.90	10/04/2022	12/05/2022	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(KUMAR/DREG-01/02/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 16.477 to km 26.877 = 10.40 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division, BWDB, Faridpur during the FY 2021-22 (Part-2) (Tender ID: 689753)	194.75	194.74	21/04/2022	17/05/2022	30/06/2023	30/06/2023
(KUMAR/DREG-02/01/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 5.609 to km 8.500 = 2.891 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division, BWDB, Faridpur during the FY 2021-22 (Part-1) (Tender ID: 685373)	194.06	194.05	10/04/2022	17/05/2022	30/06/2023	30/06/2023




Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(KUMAR/DREG-02/02/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 5.609 to km 8.500 = 2.891 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division,BWDB , Faridpur during the FY 2021-22 (Part-2) (Tender ID: 685380)	191.77	191.76	10/04/2022	17/05/2022	30/06/2023	30/06/2023
(KUMAR/DREG-02/03/2021-22)Remaining Portion of Dredging work of Kumar River from Ch. km 5.609 to km 8.500 = 2.891 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division,BWDB , Faridpur during the FY 2021-22 (Part-3) (Tender ID: 685384)	185.14	185.13	10/04/2022	12/05/2022	30/06/2023	30/06/2023




Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(KUMAR/DREG-02/04/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 5.609 to km 8.500 = 2.891 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division,BWDB , Faridpur during the FY 2021-22 (Part-4) (Tender ID: 685386)	150.40	150.39	10/04/2022	12/05/2022	30/06/2023	30/06/2023
(KUMAR/DREG-02/05/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 5.609 to km 8.500 = 2.891 KM c/w Re-excavation of Kumar River Project under Faridpur O & M Division,BWDB , Faridpur during the FY 2021-22 (Part-5) (Tender ID: 694263)	184.97	184.97	28/04/2022	2/06/2022	30/06/2023	30/06/2023




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	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(KUMAR/DREG-03/01/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 26.877 to km 27.577 = 0.700 KM in c/w Re-excavation of Kumar River Project under Faridpur O&M Division, BWDB, Faridpur during the FY 2021-22. (Part-01) (Tender ID:690656)	147.96	147.96	24/04/2022	17/05/2022	30/06/2023	30/06/2023
(KUMAR/DREG-03/02/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 26.877 to km 27.577 = 0.700 KM in c/w Re-excavation of Kumar River Project under Faridpur O&M Division, BWDB, Faridpur during the FY 2021-22. (Part-02) (Tender ID:690776)	157.44	157.43	24/04/2022	17/05/2022	30/06/2023	30/06/2023

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(KUMAR/DREG-03/03/2021-22) Remaining Portion of Dredging work of Kumar River from Ch. km 26.877 to km 27.577 = 0.700 KM in c/w Re-excavation of Kumar River Project under Faridpur O&M Division, BWDB, Faridpur during the FY 2021-22. (Part-03) (Tender ID:690804)	157.64	157.64	24/04/2022	18/05/2022	30/06/2023	30/06/2023
Civil Works for the Motorization of 6 vent Madankhali Regulator gates over Kumar River at Madankhali in c/w "Re-excavation of Kumar River Project" in Upazilla-Faridpur Sadar, District-Faridpur under Faridpur O&M Division, BWDB, Faridpur during the FY 2021-22 & 2022-23. (Package No.- Regulator/CW/2021-22) (Tender ID:809969)	24.98	23.85	30/03/2023	25/04/2023	30/06/2023	30/06/2023

8.2 Use of Project Consultant (s) (Foreign/Local): Not Applicable.

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

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
Engineering Instrument (Total Station with accessories) (1 Nos.)	1	30/06/2021	Faridpur O&M Division 30/06/21	-	2	Is being used for Survey for the monitoring of implemented work.
Desktop Computer with Laser Printer (2 nos)	2	30/06/2020	Faridpur O&M Division 30/06/2020	-	2	Is being used for official Work of O&M division.

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 1 %	Total	Taka	P.A.	Physical 1 %
1	2	3	4	5	6	7	8	9
2016-17	7532.93	7532.93		30.03	24.24	24.24	-	0.11
2017-18	9553.64	9553.64	-	38.09	1342.78	1342.78	-	6.30

Financial Year	Financial provision & physical target as per original PP				Financial provision & physical target as per latest revised PP			
	Total	Taka	P.A. .	Physica l %	Total	Taka	P.A.	Physica l %
2018-19	7995.10	7995.10	-	31.90	2483.44	2483.44	-	11.65
2019-20	-	-	-	-	2994.29	2994.29	-	14.04
2020-21	-	-	-	-	4184.35	4184.35	-	19.62
2021-22	-	-	-	-	10295.82	10295.82	-	48.28
2022-23	-	-	-	-	-	-	-	-
Total	25081.67	25081.67	-	100.00	21324.91	21324.91	-	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. .	Physic al %		Total	Taka	P. A.	Physic al %
1	2	3	4	5	6	7	8	9	10
2016-17	24.24	24.24	-	0.11	100.00	24.24	24.24	-	0.11
2017-18	4000.00	4000.00	-	15.95	4000.00	1342.78	1342.78	-	6.30
2018-19	2500.00	2500.00	-	10.00	2500.00	2483.44	2483.44	-	24.70
2019-20	3500.00	3500.00	-	14.00	2997.75	2994.29	2994.29	-	13.80
2020-21	5000.00	5000.00	-	15.00	4991.63	4184.35	4184.35	-	22.00
2021-22	8000.00	8000.00	-	37.00	7899.40	7226.55	7226.55	-	28.50
2022-23	2342.00	2342.00	-	8.500	2340.20	2283.93	2283.93	-	8.500
Total	25366.24	25366.24	-	100.00	24828.98	20539.57	20539.57	-	100.00

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) To provide drainage improvement & flood protection of net 23540 Ha area and navigation facilities will be improved by re-excavation of 8.5 KM and dredging of 54.510 KM of Kumar River.	(a) Re-excavation of 76.64 K.M. Kumar and Mora Kumar river and Dredging of 101.08 K.M. Kumar and Mora Kumar have been improved drainage capacity, flood protection and navigation facilities.	No shortfall
(b) To reduce intensity of flood, damages of crops, properties and human sufferings of net 23540 Ha area.	(b) Intensity of flood, damages of crops, properties and human sufferings of net 23540 Ha area have been reduced.	
(c) To provide irrigation facilities for 23540 Ha area to increase paddy production 34104.00 Mt.	(c) Irrigation facilities for 23540 Ha area to increase paddy production 34104.00 Mt. has been achieved.	
(d) To improve farm income and employment opportunities by improving the water resources facilities.	(d) Farm income and employment opportunities have been improved by improving the water resources facilities.	
(e) To reduce poverty level within the project area.	(e) Poverty level within the project area has been reduced.	

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).
a) Agricultural land saved from erosion	Ha	23540.00	23540.00
b) Households saved from erosion	Nos	5500	5000
c) School, College, Masjid, Madrasa saved from erosion	Nos	13	13
d) Road saved from erosion	Km	71.00	71.00
e) Bridge/Culvert saved	Nos	14	14
f) Trees saved	Nos	22000	22000

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	1.56:1.00	Will be evaluated later by concern directors of BWDB and IMED
(ii) Economic	2.27:1.00	
(2) Internal Rate of Return		
(i) Financial	19.13%	
(ii) Economic	29.35%^s	

02. 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
(a) <u>Ministry / Agency:</u> Mr. Kabir Bin Anwar Senior Secretary Ministry of Water Resources.	04/09/20	No major problems identified.	Project must be completed within stipulated time. Dredged earth must be managed in planned way to reclaim land.
Mr. Kabir Bin Anwar Senior Secretary Ministry of Water Resources.	05/11/21	No major problems identified.	Project must be completed within stipulated time. Dredged earth must be managed in planned way to reclaim land. River Bank Protection work and ghatla construction work must be included by Open Tendering Method according to the decision of 8 th steering committee meeting.
Mrs. Alam Ara Begum Addition Secretary Ministry of Water Resources.	21/06/21	No major problems identified.	The ongoing Package works of the project must be completed within the stipulated time while maintaining proper quality standards.
Mrs. Alam Ara Begum Addition Secretary Ministry of Water Resources.	24/09/21	No major problems identified.	The ongoing Package works of the project must be completed within the stipulated time while maintaining proper quality standards.

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(b) Ministry / Agency: Mid-Term Evaluation committee consisting of 13 (Thirteen) members 1) Mahmudul Islam Additional Secretary Ministry of Water Resources. 2) Mr. Montu Kumar Biswas Joint Chief Ministry of Water Resources. 3) Mr. Md. Musa Joint Secretary (Development-1), Ministry of Water Resources. 4) Mrs. Shamim Ara Khatun Joint Secretary (Development-1), Ministry of Water Resources. 5) Mr. Abul Azim Chowdhury Joint Chief, Agriculture, Water Resources & Rural Division, Planning Commission 6) Mr. Khandakar Mohammad Ali Director, Agriculture, Water Resources & Rural Division, IMED. 7) Mr. Abul Kalam Azad Deputy Chief, Agriculture, Water Resources & Rural Division, Planning Commission 8) Mr. Md. Jane Alam Deputy Chief-2, Ministry of Water Resources. 9) A K M Wahed Uddin Chowdhury Chief Engineer, Western Zone, BWDB, Faridpur. 10) Mr. Abdul Hekim Superintending Engineer, Faridpur O&M Circle BWDB, Faridpur. 11) Mr. Md. Kazi Abdur Rahman Deputy Secretary (Development-2), Ministry of Water Resources. 12) Mr. Md. Sultan Mahmud Executive Engineer Faridpur O&M Division, BWDB, Faridpur	20/11/20 To 21/11/20		Attached as Annexure -1

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(c) Ministry / Agency: 13) Mr. Md. Abu Bakkor Siddique Executive Engineer Chief Monitoring, BWDB, Dhaka. 14) Mr Md. Faridul Islam Senior Assistant Chief, (Water Resource-2) Planning Commission. 15) Mr. Shan e Alam Misty Senior Assistant Secretary -4 , Ministry of Water Resources.	20/11/20 To 21/11/20	Attached as Annexure -1	
Mr. AKM Samsul Alam Additional Director General, West Region, BWDB, Dhaka. Scale: 66000-76490 (2 nd Grade)	24/09/21	No major problems identified.	The ongoing works of the project must be completed within the stipulated time while maintaining proper quality standards.
Mr. Abdul Hekim, Addl. Chief Engineer Western Zone, BWDB, Faridpur. Scale: 56500-74400 (3 rd A Grade)	02/03/21	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.
Mr. Syed Shahidul Alam Superintending Engineer, Faridpur O&M Circle, BWDB, Faridpur. Scale: 50000-71200 (4 th Grade)	02/02/21	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.
IMED: Mr. Md. Afjol Hossain Director General, Sector-4 IMED	04/12/20	No major problems identified.	Instructed to follow approved designs for re-excavation works & to complete within the stipulated time.

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
No internal Audit			

2.2. External Audit:

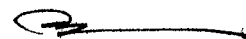
Audit period	Date of submission of Audit Report	Major findings/ Objections	Whether objections resolved or not.
1	2	3	4
2018-19	1 Nos	No insurance on Contract Value	Resolved.
2019-20, 2020-21, 2021-22	4 Nos	Payment of bill without Task Force Report, Contract was divided into more small packages, Payment of bill is higher than physical progress.	Answer is submitted through Competent Authority and mitigation of the objection is under process.
2022-23	Yet to be conducted		

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on Re-excavation of Kumar River (1st Revised) (Inter Item Cost Adjustment).

1.1 Background:

The Kumar River originates from the Padma river at Madankhali near Faridpur town. The river traversed 77 Km up to Taker Hat and at Taker Hat it has been bifurcated into two branches. One branch traversed 11 Km in southeastern direction and meet river Arial Khan at Kabirajpur. Another branch traversed 14 Km south-eastern direction up to Mustafapur and again bifurcated into two branches. One traversed 6.12 Km in south-eastern direction and meet river Arial Khan near Madaripur and another branch traversed 22.90 Km in south-eastern direction and meet river Ghagotia at Paisarhat under Kotalipara upazilla of Gopalganj district. At Bhanga near the bridge on Dhaka-Barisal road Mora Kumar meet the Kumar river from western side, which contribute much water of its own catchments area for drainage through Kumar river. Another khal Mandartala meet Kumar river at Bhanga, which also discharge water of the nearby beels for drainage through Kumar. Madaripur Beel Route (MBR) has also meet Kumar river at Taker Hat. The catchment of Kumar is flooded during monsoon from the river Padma, Arial Khan and MBR. The low-lying area is subjected to flood during monsoon season due to high water level in the Padma, Arial Khan and MBR Canal. Flood damages HYV/ LV Aman crops in low-lying area. The project area suffers from drainage congestion due to siltation in khal bed, which reduces conveyance capacity of the khal. During dry season HYV Boro is grown extensively, which depends on irrigation. Ground water is available in shallow depth for irrigation. However, there is shortage of water for irrigation. Siltation in the existing khals restricts flows in the khals.



In view of that, the project entitled " **Re-excavation of Kumar River (1st Revised) (Inter Item Cost Adjustment)**" was approved as per the instructions of the Honorable Prime Minister in the ECNEC meeting dated 10/11/2016. The main DPP of the project with Tk 25081.67 lakhs is scheduled for implementation from 01.07.2016 to 31.12.2019. After the approval of the original DPP, implementation of works began on 11.02.2018 by DPM (Direct Procurement Method) process under Dockyard and Engineering Works Ltd, Sonakanda, Bandar, Narayanganj as the contractor. Revision of this project was approved on 30.06.2021 with an implementation Period of 01.07.2016 to 30.06.2022. Then No Cost Time Extension was approved with an implementation Period of 01.07.2016 to 30.06.2023.

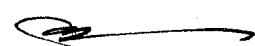
1.2 Justification/Adequacy:

The project area is situated in Faridpur Sadar, Nagarkanda, Boalmari and Bhanga Upazila in Faridpur District and Muksudpur Upazilla in Gopalganj Districts. The gross benefited area of the project is about 34580 Ha and net benefited area is about 23540 Ha. Since the project area is situated on the bank of the Ganges/Padma, the average ground level is high and ground elevation varies from 7.5m (PWD) to 1.5m (PWD) from north to south. There are a number of depression or beel areas, which are connected to Kumar River. The project area is mainly occupied by (1) the active and very young Ganges meander floodplain, (2) the old Ganges meander floodplain and (3) the mixed younger and older Ganges meander floodplain sub-units of Ganges floodplain physiographic unit (4) the lower Meghna estuarine floodplain and (5) the mixed lower Meghna estuarine floodplain.

Agricultural practices in the area depend on soil, availability of irrigation supply and flooding regime and drainage congestion. HYV Boro is grown in the low-lying area, local varieties/HYV Aman crops is grown in comparatively high land. The main problem of agriculture is flood, drainage congestion and shortage of irrigation water supply during dry season. There are a number of Beels and Khals exist in the area. Water bodies were leased out for capture fisheries, the lessee used to harvest all fishes. Therefore, fish resources declined in the area.

Kumar river, its branches and other tributaries was silted up, which needed re-excavation for flood control, drainage improved navigation. The project area suffered from flooding, severity of drainage congestion and shortage of irrigation water for agriculture, fisheries, navigation and other purposes.

1.3 Objectives

- To provide drainage improvement & flood protection of net 23540 Ha area and navigation facilities will be improved by re-excavation of 8.50 KM and dredging of 54.510 KM of Kumar River.
 - To reduce intensity of flood, damages of crops, properties and human sufferings of net 23540 Ha area.
- 
- 

- To provide irrigation facilities for 23540 Ha area to increase paddy production 34104.00 Mt.
- To improve farm income and employment opportunities by improving the water resources facilities and
- To reduce poverty level within the project area.

1.4 Project Revision with Reasons:

More than a year has passed to begin implementation of works after project approval due to DPM (Direct Procurement Method) processing. Progress of work was hampered due to the structures near both the bankline of Kumar and Mora Kumar river. So, no cost time extension was needed. During the construction of an additional Regulator (6-Vent, 1.50m × 1.80m), earth was excavated upto (-) 2.50 meter PWD and as a result of that seepage of water due to high head difference caused damage of diversion road. Additional Bullah and Drum Sheet Pallasiding were needed to protect the diversion road which caused cost increase. Members of technical committee visited regulator site at Madankhali in Faridpur Sadar Upazilla on 11.09.2020 and recommended additional 440 meter slope protection work on the peripheral area of regulator site. Slope protection was executed in OTM (Open Tendering Method) as per decision taken in the 8th steering committee meeting at Ministry of Water Resources. Due to slow progress of Docyard Engineering Works Ltd. in 61 Nos. ghatla construction works, 40 Nos. ghatla were rearranged for implementation by different contractors in OTM process. According to the decision taken on 9th Steering Committee meeting, bank protection work was also added in different places which were implemented by different contractors in OTM process. Revised DPP was approved on 30.06.2021

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

The country is located at the confluence of the three major regional river systems that bring about significant physical challenges including massive monsoon floods and drainage congestion (inundating 30% of the country's land area on average), riverbank erosion, serious dry season water scarcity, natural disasters such as cyclones, and widespread groundwater arsenic (affecting 30-50% of the population). Access to and effective management of water is critical for the livelihood of rural poor, as they fundamentally affect their productive and livelihood activities. Moreover, water management is further complicated by diverse and complex stakeholder interests, widely varying in different or even same topographical locations among agriculture, capture and culture fisheries, boat transport, rural industries, drinking water, and associated non-farm activities. Water is also vital for the country's rich natural ecosystems. Thus, it is paramount to manage this critical resource through an integrated, participatory, and decentralized approach with due attention to the interests of the vulnerable poor.

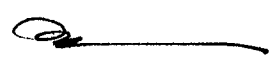
Substantial efforts were made since the 1950s to manage water resources with large public investments, culminating in 9,500km embankments, 11,500km canals, 60km revetments, and over



13,300 hydraulic structures. While these provide essential flood protection and drainage functions for 5.4 million ha of land (covering 30% of net cultivated area), their performance remains suboptimal, with chronic facility deterioration problems and underachieved potentials. On the other hand, irrigated area expanded rapidly from 1.6 million ha in 1980 to 4.4 million ha in 2001, thanks to expansion of private groundwater irrigation, the main driving force for paddy production growth. Yet the cost of groundwater irrigation is rising as more water is extracted (albeit abundant monsoon recharge), posing a constraint for further expansion.

Following the devastating floods in 1987 and 1988 that inundated over 60% of the country's land, major international coordinated efforts were provided in the 1990s under the Flood Action Plan (FAP), to systematically address the country's water management problems. A total of 26 regional and thematic studies were done with the support of 16 external funding agencies. The FAP studies contributed to establishing a substantial knowledge base. However, they also revealed deficiencies of the past sector interventions. Specifically, previous planning efforts tended to focus on constructing major single-purpose flood protection works, and overlooked diverse stakeholder needs and multidimensional implications of water management. Implementation was also top down. These led to negative environmental and social impacts (such as reduced capture fishery causing hardships to the poorest), and left many local water management problems within the area unaddressed (such as over-drainage for high land) or opportunities unutilized (such as local water storage for irrigation and fish culture). Most critically, infrastructure O&M was inadequate and under-resourced, with little beneficiary participation and support, leading to chronic facility deterioration, frequent flood damages, and subsequent rehabilitation needs. These called for major reforms in the policy and institutional framework and capacities of sector agencies to effectively meet the country's significant and highly complex sector challenges and opportunities.

On the basis of the FAP findings, the Government initiated comprehensive policy and institutional reforms for the sector. The National Water Policy (NWP) was adopted in 1999 that set out due policy goals and principles for participatory and integrated water resources management (IWRM), strategic planning, sustainable O&M with progressive management transfer to water management associations (WMAs), and improved governance of sector organizations. Along this line, institutional reforms of a key sector agency, Bangladesh Water Development Board (BWDB) were initiated, which include (i) reformulation of its Board to include stakeholder representatives and sector experts; (ii) long-term assignment of leadership; and (iii) significant staff rationalization (by over 50%) with skill mix diversification, envisaging its transformation from a top-down implementer to a service oriented agency.



Guidelines for participatory water management (GPWM) were also finalized. The National Water Management Plan (NWMP) was also finalized in 2004, which provided a strategic roadmap to achieving NWP goals, with its short-term programs emphasizing on enabling environment and institutional capacities.

However, these reforms are still at its early stage of consolidation, calling for effective transformation of those initiatives into sound sector operations. In this context, a large number of existing FCDI schemes of BWDB are yet to be placed under the new and improved management arrangements. In the meantime, the country also experienced big flood damages in 1998, 2000, and 2004, which all led to large-scale external emergency assistance. While these recurrent damages demonstrated the need for establishing more flood resistant infrastructure with better hazard risk management, equally critical are institutions for sound regular maintenance, since poorly maintained facilities are more vulnerable to floods, and causes larger damages once failed, affecting agriculture, culture fishery, and associated non-farm activities. Moreover, many of these infrastructures have significant underachieved benefits, and their improvement would provide larger returns with a short lead-time and less significant negative environmental and social impacts. Thus, enhancing and sustaining the performance of existing FCDI infrastructure with improved O&M remains a critical and urgent agenda, and is accorded high priority in the NWMP.

While operationalizing NWP with sound O&M still remains a challenge, useful lessons were learned during the process of aforementioned interventions. First is the need for integrated planning, development, and management of water to address diverse needs and concerns, and for careful and sufficient provision of services to address other local production constraints. Second, sufficient time, resource and management are critical for WMA formation, with clear measurable targets that should be achieved prior to physical works. O&M requirements should be agreed at this stage with upfront cash contribution and follow-on field training. Third, quality control requires rigorous attention, with particular care for protecting poor peoples' interests. Fourth, well-managed local infrastructures provide a basis for WMAs to start addressing social agendas with participation of the poor, and taking on active roles in leading local development process as a local collective enterprise.

There are 33 inlands and 45 coastal FCD projects within southwest region. This indicates the region's sensitivity to flooding, tidal surge and drainage problems. Many of these projects are not functioning properly and expected crop production is not achieved as per target. This has attributed to poor maintenance than optimal water management, physical bottlenecks in the existing infrastructures and vulnerability in agricultural production.



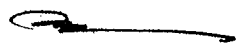
The proposed Project has been prepared as per recommendations of feasibility study prepared by BWDB's Planning manpower in association of individual consultants. The project covers an area of 34580 ha. (net area: 23540 ha.), located in greater Faridpur district and the population of the project area is about 233272 with a density of 944/km². Most of population depends on agriculture and more than 49.80% of the population is living below poverty line. Socio-economic development through agricultural and fisheries enhancement as well as navigation improvement is the main means to alleviate poverty in the area. Integrated water management is necessary within the project area for overall socio-economic enhancement as per Guidelines of Participatory Water Management.

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

Project Identification: The proposed project is situated in Faridpur Sadar, Nagarkanda, Boalmari and Bhanga Upazila in Faridpur District and Muksudpur Upazilla in Gopalganj Districts. The gross benefited area of the project is about 34580 Ha and net benefited area is about 23540 Ha. The catchment of Kumar is flooded during monsoon from the river Padma, Arial Khan and MBR. The low-lying area is subject to flood during monsoon season due to high water level in the Padma, Arial Khan and MBR Canal. Flood damages HYV/ LV Aman crops in low-lying area. The project area suffers from drainage congestion due to siltation in khal bed, which reduces conveyance capacity of the khal. During dry season HYV Boro is grown extensively, which depends on irrigation. Ground water is available in shallow depth for irrigation. However, there is shortage of water for irrigation. Siltation in the existing khals restricts flows in the khals. Agricultural practices in the area depend on soil, availability of irrigation supply and flooding regime and drainage congestion. HYV Boro is grown in the low-lying area, local varieties/HYV Aman crops is grown in comparatively high land. The main problem of agriculture is flood, drainage congestion and shortage of irrigation water supply during dry season. There are a number of Beels and Khals exist in the area. Water bodies are leased out for capture fisheries, the lessee use to harvest all fishes. Therefore, fish resources are declining in the area.

At present Kumar river, its branches and other tributaries were silted up, which needed re-excavation for flood control, drainage improved navigation. The area suffered from flooding, severity of drainage congestion and shortage of irrigation water for agriculture, fisheries, navigation and other purposes.

Project Preparation: In 2000, Feasibility Study was conducted by local consultants (M/S Kranti Associates Ltd. in association with Aqua Consultant & Associates Ltd., Dev-Consultant Ltd.) for Dredging/Re-excavation of Priority Rivers of Bangladesh, which include Kumar River Re-excavation Sub-Project. Based on the recommendation of said study, a PCP was formulated as well as processed, which was considered in Pre-ECNEC meeting held on 27-10-2003. Since overall hydrological performances in the area afterwards study conducted in 2000 has been radically changed. Kumar River has been drastically reduced impacted through sediment laden on riverbed.



Considering such dilemma, it was decided in Pre-ECNEC meeting held on 27-10-2003 after a threadbare discussion to conduct Feasibility Study of the project under BWDB's Cluster Study Project (PC II) based on contemporary hydro-morphological situation of the Kumar River (copy enclosed).

Accordingly, Feasibility Study for Kumar River Re-excavation project was conducted by BWDB's Planning-I Directorate in association of Individual Consultants under "Feasibility Study for New Projects of BWDB" (PC II). As per recommended **Option-I: (Re-excavation of Kumar River and some of the existing Khals)** of the Final Study Report, proposed project has been formulated. The project deserves early implementation as priority project. The DPP of the project was formulated for implementation based on the recommendation of Technical Committee conducted by BWDB (Report March 2016)

Appraisal/PEC/ECNEC: The PEC Meeting held on 11.04.2011 in the Planning Commission. The local Member of Parliament (MP) demands through issuing a DO Letter for implementation of the project. The Ministry of Water Resources, Planning Section -1, demand to recast DPP vide their Memo No. 42.00.0000.039.014.08.14-252, Dated 21-09-2014. DPP with estimated cost of TK. 13345.58 lakh had been recast and submitted herewith for onward approval from the competent authority. DPP with total costing TK. 25081.67 lakh has been recast according to the decision of the ECNEC Meeting held on 10-11-2016. Decisions of the ECNEC Meeting.

- ◆ **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 11/09/2018.
- ◆ **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 stakeholders are directly taking advantages of the created facilities of the project.

4.3 O & M programme of the project.

After completion of the project major repair/ rehabilitation works will be accomplished from regular O&M budget of BWDB.



4.4 Impact of the project –

(i) Other projects/existing installations :

The project will have no adverse effect on other existing projects/installations. On the other hand, it will save the existing installations from the river erosion.

(ii) Environment like land, water, air, bio-diversity etc:

Proposed project will not have any negative impacts on physical environment. Rather environmental up gradation will be restored through enhancement of integrated water management in the area.

(iii) women and children :

The project will not have any positive impacts directly on women/children. However, women/children apart with dwelling inhabitants in the affected area will be benefited from river erosion mitigation management under the project. Besides, women in the project area will have better opportunities for household based activities and light works outside home.

(iv) Employment, poverty alleviation etc. :

Due to the project implementation, physical safety and sense of security among the project people shall develop, resulting in enhanced investment in housing and commercial buildings, enhanced investment in business and development work and shall also cause positive impacts on agriculture and fish resources production and land prices. These all did shall cause enhanced opportunity of employment and poverty alleviation.

(v) Institutional productivity :

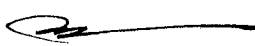
In the pre-project condition, both government as well as NGO's is very keen to under take any physical development activities in the project area due to the threat of river bank erosion. In the post project situation, this attitude shall change profoundly. Due to developed sense of safety and security against river bank erosion, enhanced investment in institutional development like schools, colleges, market shopping centers office buildings and infrastructures (roads, bridges) etc under taken by various government organizations, NGO's and other private enterprises shall be encouraged, thereby resulting in increased productivity in socio-economic sector.

vi) Regional disparity :

The project will save the existing establishment of the project area, so a new regional disparity will not be created.

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

The moto of the project is to provide adequate drainage facilities of the rivers and khals and to promote navigation facilities of the channels. This means to facilitate of the fish cultures, environmental improvement as well as ensure healthy lives and promote well being for all people. Project activities will create employment opportunities which will contribute to the achievement in poverty alleviation.

4.8 Possibility of women-employment opportunity

Yes, there is possibility of women-employment through the project benefited area enhanced. Employment opportunity for women will be enhanced at the construction phase of the project.

4.9 Women's participation in development

Yes.

4.10 Probable Impact on Socio-Economic activity.

After implementation of the project, financial enhancement will be developed through navigation facilities of the rivers & khals as well as availability of water for further economic growth and many more will be established which will produce employment opportunities. As a result, socio-economic balance in the locality is enhanced.

4.11 Impact on environment

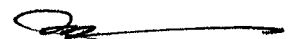
Through re-excavation of rivers and khals, water retain capacity of the channels will be increased so that ground water recharge will be ensured and to reduce desertification hazards. There are scope of Tree Plantation to combating desertification of the area. By constructing additional Regulator in the U/S of Kumar River land degradation and biodiversity loss will be minimized following adequate drainage facilities.

4.12 Sustainability of the project

The project is sustainable but requires periodic maintenance.

4.13 Contribution to poverty alleviation/reduction

After implementation of the project, about 23540 ha. area will be benefited from flood hazards and drainage congestion. Agricultural and culture fish production will be enhanced by the implementation of the project. Cropping intensity will be increased from 154.18 % to 178.08 % and agricultural benefit will be derived from annual incremental paddy production of 34104.00 Metric. Flood management will also enable



development of rural infrastructures like rural roads and communication facilities to Growth centre. Project activities will create employment opportunities which will contribute to the achievement in poverty alleviation.

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 - N/A | 5.12 Project aid disbursement and re-imbursment - N/A |
| 5.2 Project Director - N/A | 5.13 Mission of the development partners - N/A |
| 5.3 Land Acquisition - N/A | 5.14 Time & Cost Over-run – As mentioned in B-01. |
| 5.4 Procurement - N/A | 5.15 Project Supervision/Inspection - N/A |
| 5.5 Consultancy - N/A | 5.16 Delay in Decision- N/A |
| 5.6 Contractor: Progress of work of DPM contractor Dockyard and Engineering Works Limited was very slow. Though progress of different OTM contractors were satisfactory at the last stage of project completion. | 5.17 Transport- N/A |
| 5.7 Manpower - N/A | 5.18 Training - N/A |
| 5.8 law & Order - N/A | 5.19 Approval - N/A |
| 5.9 Natural calamity - N/A | 5.20 Others. - N/A |
| 5.10 Project financing, allocation and Release - Affected during FY 2020-21. | |
| 5.11 Design formulation/approval - N/A | |

6. Remarks & Recommendations of the Project Director:

After implementation of the project, about 23540 ha. area are benefited from flood hazards and drainage congestion. Agricultural and culture fish production is enhanced by the implementation of the project. Cropping intensity has been increased from 154.18 % to 178.08 % and agricultural benefit will be derived from annual incremental paddy production of 34104.00 Metric. Flood management development of rural infrastructures like rural roads and communication facilities to growth centre has taken place. During the implementation of this project, members of different committees & monitoring authorities visited project site and gave their opinions which has helped in implementation of the project within project



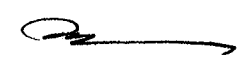

period. Project was implemented properly following respective design, drawing and specification. The quantity and quality of the physical works were ensured by Taskforce committee of BWDB and concerned officials of BWDB.

The Project is specifically linked with SDGs (Goal-1: End Poverty in all its form End hunger, Goal-2: Achieve food security and improved nutrition and promote sustainable agriculture, Goal-3: Ensure healthy lives and promote well-being for all at all ages Goal-5: Achieve gender equality and empower all women and girls, Goal-6: Ensure availability and sustainable management of water and sanitation for all, Goal-8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all, Goal-13: Take urgent action to combat climate change and its impacts, Goal-15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests combat desertification, and halt and reverse land degradation and biodiversity loss). The Ministry of Water Resources has been engaged in all programs relating to water sector development and management. There are other Bangladesh Development Goals which have to be achieved through Poverty Reduction Strategy. So, Water Sector has a vision for development and management of Water Resources over medium and long term. The vision for water resources sector has been indicated in the declaration of the National Water Policy document of GOB (1999). Vision, incorporated in the document is as follows:

“Ensuring continued progress towards fulfilling the national and MDG goals of development through acquisition of water resources, optimizing its various use, managing resources for poverty reduction and sustainable development for securing their lives and properties from water related disasters”.

As water is a cross cutting resource, its use is broad-based. Water is a resource on the one hand and a mainstay of livelihoods on the other. So, the goal is not confined within the water sector alone, it extends deep into the livelihoods functions of water (e.g., agriculture, fisheries, health, land reclamation, environment etc. including disasters and climate change). All of these have direct or indirect implications for poverty reduction. The socio-economic condition of the people has been improved. Scopes of new jobs & works have been also created. The safety of human livelihood and properties has also been improved.

There is a direct relevance of the project to the objectives stated above. Immediate objective of Integrated water management and the ultimate objective of boosting-up agriculture & fishery sector and its economic impacts will be fulfilled for improved social & environmental impacts.



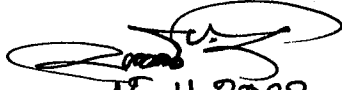
This project has been formulated & taken into consideration of the directives of the PRS (approved by competent authority on 16-10-2005) entitled “unlocking the potentials” and the Policy Matrix of the said document. As for its relevance with the water-sectoral objectives, the project is in line with the policy and macro-level plan objectives of GOB. The objectives of National Water Policy, BWDB Act (2000) and National Water Management Plan as well as other relevant macro level water sectoral documents are described in brief to get a ready reference:

Moreover, worldwide COVID-19 pandemic squeezed up eligible working time. Still with close monitoring and careful supervision, the project was completed without time over-run as well as cost saving upon well completion of the project with 45 Acres of reclaimed land through well planned dredged earth management policy. It's a remarkable achievement which will be helpful in solving acute land scarcity problem of Bangladesh. Ministry of Water Resources has been awarded the prestigious **Bangabandhu Public Administration Award'2022** for playing significant role in land reclamation sector. The project authority is feeling delighted to be a part of this achievement.

Recommendation: This project is performing well and good and as per expectation and can be declared as sustainable. Like any other development projects especially as a hydrological project of more numbers of uncertainties, it will require periodic maintenance of the physical structures which is also prescribed in the DPP. Proper monitoring and regular maintenance of the implemented excavation and dredging works are required from non development revenue budget for the more sustainability of the project. Administrative steps should be taken on regular basis to address illegal structures by the river bank.

Date: 15-11-2023


(Partha Pratim Saha)
Executive Engineer
Faridpur O&M Division
BWDB, Faridpur.

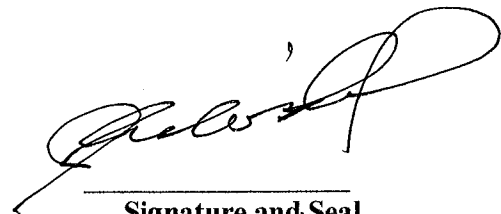

15.11.2023
(Md. Shahjahan Siraj)
Additional Chief Engineer
Western Zone
BWDB, Faridpur.
& Project Director.

7. Remarks/Comments of Agency Head

This project was aimed towards sustainable solution to flooding, drainage congestion, shortage of irrigation water problem at Kumar River, its branches and adjacent area. A total of 128 km river/Khal was re-excavated/dredged under this project. The project fulfills its objectives. This project has re-established FCDI facilities to 23540 Ha areas. Damage of crops and properties has been reduced significantly. Agricultural yield has increased in the project area. Also, proper management of dredged material has resulted in

reclamation of around 45 acres of land. For this, MoWR has been awarded with **Bangabandhu Public Administration Award'2022** for playing significant role in land reclamation sector. Thus, this project can be regarded as a successful one.

Date: 03/12/2023



Signature and Seal
(S.M. Shamidul Islam)
ID NO: 650307001
Director General
BWDB, Dhaka.

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

The main objective of this project was to provide drainage improvement & flood protection of net 23540 Ha area in Faridpur and Gopalganj district by re-excavation of Kumar Nod. Under this project, a total of 128 km river/khal was re-excavated/dredged. Dredged material of the project has helped to reclaim land with an area of 45 acres. This remarkable achievement led Ministry of Water Resources to secure **Bangabandhu Public Administration Award'2022** for playing significant role in land reclamation sector. Target of the project is achieved and the goal is obtained.

Date :

Signature and Seal

