

BANGLADESH WATER DEVELOPMENT BOARD



PROJECT COMPLETION REPORT: IMED-04/2003 (Revised)

**Name of the Project: Re-excavation of khal to Removal the Drainage Congestion
in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of
Noakhali District (1st Revised)**

PROJECT PERIOD: OCTOBER 2020 TO JUNE 2023

DIVISION : Noakhali O&M Division, BWDB, Noakhali.
CIRCLE : Feni O&M Circle, BWDB, Feni.
ZONE : Eastern Zone, BWDB, Cumilla.

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 khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District (1st Revised)
02. **Administrative Ministry/Division** : Ministry of Water Resources (MoWR)
03. **Executing Agency** : Bangladesh Water Development Board (BWDB)
04. **Location of the Project** : Upazilla: Begumgonj, Chatkhil, Senbag & Sonaimuri, Dist: Noakhali.
05. **Objective of the Project** : a) Drainage of rain water through khal network to remove congestion.
b) Re-excavation of khal to ensure irrigation facility for 43000 hectre area.
c) Development of socio-economic condition in Project area.

06. **Estimated Cost**

(In lakh Taka)

	Original	Revised (1 st)
(a) Total	7186.57	6117.81
(b) Taka	7186.57	6117.81
(c) Foreign Currency	0.00	0.00
(d) Project Aid	0.00	0.00
(e) RPA	0.00	0.00

07. **Date of Approval**

PCP	PP
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(a) Original : 29/09/2020

(b) Latest Revised (1st) : 28/02/2023

08. **Implementation Period**

:

	Date of Commencement	Date of Completion
(a) Original	October, 2020	June, 2023
(b) Latest Revised(1st)	October, 2020	June, 2023
(c) Actual	October, 2020	June, 2023

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9. Financing Arrangement (Source-wise):

9.1 Status of Loan/Grant:

a) Foreign Financing : Not Applicable

Source (s)	Currency as per Agreement	Amount in US \$ (Million)	Nature (Loan/Grant/supplier's/credit)	Date of Agreement	Date of Effectiveness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8
N/A							

b) GOB:

(In lakh Taka)			
Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
6117.81	-	6117.81	-

9.2 Utilization of Project Aid: (Source wise) Not Applicable

Source (s)	(In million)					
	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): Not Applicable

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
October, 2020 to June'2023	October, 2020 to June'2023	October, 2020 to June'2023	0.00 %	Didn't over-run. The Project is finished.

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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	7186.57	6117.81	5643.55	-7.75%	Didn't over-run. The Project is finished.
TAKA	7186.57	6117.81	5643.55	-7.75%	
PA	0.00	0.00			

03. Project Personnel: Project work has been implemented by existing manpower of Noakhali O&M Division, BWDB, Noakhali. There was no provision of project personnel recruitment on this project.

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

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

Field of Training /Study tour/workshop/Seminar etc.	Provision as per PP		Actual		Remarks
	Number of person	Man -months	Number of person	Man -months	
1	2	3	4	5	6
No training has been provided, as there was no provision for training for project personnel.					

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 (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
A. Revenue Component:						
Travel Expenses	L.S	2.30	L.S	2.29	99.57%	
Gas & Fuel	L.S	2.30	L.S	1.50	65.22%	
Petrol, Oil & Lubricant	L.S	3.45	L.S	3.38	97.97%	
Seal & Stumps	L.S	2.50	L.S	2.00	80.00%	
Printing & Bindings	L.S	1.00	L.S	0.99	99.00%	
Publicity & Advertisement	L.S	3.00	L.S	3.00	100.00%	
Honorarium (Different Committee)	L.S	8.00	L.S	4.14	51.82%	
Honorarium (Mid Term Evaluation)	L.S	10.00	L.S	9.54	95.40%	
Investigation (Survey)	L.S	10.00	L.S	9.98	99.80%	
Motor Vehicle (Repair of Existing Vehicles)	L.S	3.45	L.S	3.45	100.00%	
Sub Total (A) :		46.00		40.27	88.54%	

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B. Capital Component						
Acquisition of Assets :						
Computer & Others (Computer & Printer-1 set)	Set.	0.80	1	0.80	1	
Engineering & Others Instrument (Leveling Machine-1 No)	No.	1.50	1	1.50	1	
Office Intruments (Photocopier machine- 2Nos)	Nos.	3.50	2	3.50	2	
Furniture	Item	2.00	1	2.00	1	
Plantation, Crops & Vegetal Producing resources (Forestation)	Item	20.99	1	20.56	1	
Construction works :						
Excavtion (Re-Excavtion of Khal)	Km/Cum	5976.02	297.100 Km/ 3788206.48 Cum	5548.08	296.945 Km/ 3729813.57 Cum	Contract value was less than DPP Cost
Others Building & Structures (Eviction of Illegal Structures existing on Khal)	Item	27.00	1	26.84	1	Contract value was less than DPP Cost
Sub Total (B) :		6031.81		5603.28	96.98%	
Total Cost (A+B):		6077.81		5643.55	96.90%	
C. Physical Contingency	LS	20.00	LS	-	-	
D. Price Contingency	LS	20.00	LS	-	-	
Grand Total (A+B+C+D):		6117.81	100.00%	5643.55	96.90%	

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
Mr. Mohammad Nasir Uddin Executive Engineer Scale: Tk 43000-69850 Tk	Full time	-	Yes	22/12/2020	26/09/2021	
Mr. Md. Nasir Uddin Superintending Engineer Scale: 50000-71200 Tk	Full time	-	Yes	22/11/2021	29/12/2021	
Mr. Gowrapod Sutradhar Superintending Engineer Scale: 50000-71200 Tk	Full time	-	Yes	22/02/2022	29/03/2023	
Mr. Swapan Kumar Barua Superintending Engineer Scale: 50000-71200 Tk	Full time	-	Yes	21/06/2023	Till to date	

07. Procurement of Transport (in Nos.): No Provision of vehicle Procurement in this project.

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemne d/damaged with date	Remarks
1	2	3	4	5	6	7
N/A						

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08. Procurement of Goods, Works and Consultancy Services:

8.1 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
	<u>DPP</u> <u>RDPP</u>	<u>Original</u> <u>Revised</u>			<u>Original</u> <u>Revised</u>	
1	2	3	4	5	6	7
1) Re-excavation of Mohendra khal km 11.000 to km 27.300 = 16.300 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District at Begumgonj Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2020-2021 & 2021-2022 (Package No. Noa/BCSS/KR/OTM/W-02) ID NO: 586638.	<u>496.59</u> 478.79	<u>416.57</u> 478.78	08/06/2021	<u>26/09/2021</u> 08/06/2023 (Revised)	<u>21/08/2022</u> 21/08/2022	21/08/2022
2) Re-excavation of Wapda khal km 2.000 to km 8.500 = 6.500 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District. at Begumgonj Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2020-2021 & 2021-2022 (Package No. Noa/BCSS/KR/OTM/W-03) ID NO: 586640.	<u>516.18</u> 261.82	<u>408.16</u> -	08/06/2021	26/09/2021	<u>16/08/2022</u> -	16/08/2022
3) Re-excavation of Wapda khal km 8.500 to km 14.000 = 5.500 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" at Begumgonj Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2020-2021 & 2021-2022 (Package No. Noa/BCSS/KR/OTM/W-04) ID NO: 588282.	<u>460.82</u> 308.40	<u>414.12</u> -	14/06/2021	26/09/2021	<u>21/08/2022</u> -	21/08/2022
4) Re-excavation of Noakhali khal from km. 10.750 to km 17.000 = 6.250 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" at Begumgonj Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2020-2021 & 2021-2022 (Package No. Noa/BCSS/KR/OTM/W-08) ID NO: 588225.	<u>470.89</u> 421.98	<u>423.16</u> -	14/06/2021	26/09/2021	<u>21/08/2022</u> -	21/08/2022

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Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP <u>DPP</u> <u>RDPP</u>	Contracted value <u>Original</u> <u>Revised</u>	Invitation date	Contract signing/ L.C opening date	As per contract <u>Original</u> <u>Revised</u>	Actual
1	2	3	4	5	6	7
5) Re-excavation of Lockchua-Baliadhar-Eitpukuriya khal from km 0.000 to km 12.020= 12.020 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" at Chatkhil Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2021-2022 & 2022-2023 (Package No. Noa/BCSS/KR/OTM/W-21) ID NO: 596066.	563.45 376.24	435.20 -	29/07/2021	26/09/2021	11/05/2023 -	11/05/2023
6) Re-excavation of Birendra khal from km 0.000 to km 9.350 = 9.350 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" at Chatkhil Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2021-2022 & 2022-2023 (Package No. Noa/BCSS/KR/OTM/W-22) ID NO: 596067.	366.22 118.47	212.16 -	29/07/2021	26/09/2021	21/08/2022 -	21/08/2022
7) Re-excavation of Mohendra khal km 0.000 to km 11.000 = 11.000 km in c/w Re-excavation of khal to Removal the Drainage Congestion in Begumgonj Chatkhil Senbag & Sonaimuri Upazilla of Noakhali District at Begumgonj Upazilla under Noakhali O&M Division BWDB Noakhali during the year 2020-2021 (Package No: Noa/BCSS/KR/ OTM/W-01) ID No: 550928	457.20 399.96	410.48 -	22/02/2021	11/05/2021	07/04/2022 -	07/04/2022
8) Re-excavation of Nadna Gazariya khal km 0.000 to km 17.600 =17.600 km in c/w Re-excavation of khal to Removal the Drainage Congestion in Begumgonj Chatkhil Senbag & Sonaimuri Upazilla of Noakhali District at Begumgonj Upazilla under Noakhali O&M Division BWDB Noakhali during the year 2020-2021 (Package No: Noa/BCSS/KR/ OTM/W-06) ID No: 550929	368.02 267.23	366.00 -	22/02/2021	11/05/2021	01/11/2022 -	01/11/2022

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Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP <u>DPP</u> <u>RDPP</u>	Contracted value <u>Original</u> <u>Revised</u>	Invitation date	Contract signing/ L.C opening date	As per contract <u>Original</u> <u>Revised</u>	Actual
1	2	3	4	5	6	7
9) Re-excavation of Noakhali khal km 0.000 to km 10.750= 10.750 km in c/w "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" at Begumgonj Upazilla under Noakhali O&M Division, BWDB, Noakhali during the year 2021-2022 & 2022-2023. (Package No. Noa/BCSS/KR/OTM/W-07) ID NO: 595554.	508.94 585.65	687.33 -	26/07/2021	26/09/2021	11/05/2023 -	11/05/2023

8.2 Use of Project Consultant (s) (Foreign/Local): No provision of deploying consultant in this project.

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

- a) Foreign : Not Applicable.
- b) Local : Not Applicable.

08. 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
Computer & Printer	1	25/05/2021	25/05/2021	-	1	
Levelling machine	1	27/05/2021	27/05/2021	-	1	
Photo Copier Machine	2	27/05/2021	27/05/2021	-	2	

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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
2020-21	1569.32	1569.32	-	21.84%	64.85	64.85	-	1.06%
2021-22	3539.75	3539.75	-	49.26%	3614.07	3614.07	-	59.07%
2022-23	2077.50	2077.50	-	28.91%	2438.89	2438.89	-	39.87%
Total:	7186.57	7186.57	-	100.00%	6117.81	6117.81	-	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
2020-21	1500.00	1500.00	-	15.00%	1500.00	64.31	64.31	-	15.00%
2021-22	3624.00	3624.00	-	55.00%	3624.00	3614.07	3614.07	-	55.00%
2022-23	1990.00	1990.00	-	30%	1986.13	1965.14	1965.14	-	30%
Total	7114.00	7114.00	-	100%	7110.13	5643.55	5643.55	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) Drainage of rain water through khal network to remove water congestion.	296.945 Km Khal have been re-excavated under this Project. Water congestion has been mitigated after implementation of the project.	No Shortfall.
(b) Re-excavation of khal to ensure irrigation facility for 43000 hectre area.	Irrigation facility for 43000 hectre area has been achieved by the implementation of the project.	
c) Development of socio-economic condition in Project area.	Socio-economic condition in Project area has been improved by the implementation of the project.	

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E. BENEFIT ANALYSIS

01. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-puts during the 1st year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
(a) FCD facilities	Hector	55544	The project has just been implemented. Output values can be assessed after a year from completion.
(b) Incremental paddy production on project area	M ton/Year	39823.10	
(c) Production of Agricultural sector	Lakh T.K/Year	11946.93	

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project (i) Financial (ii) Economic	i) - ii) 1.75:1.00	Will be evaluated later by concerned Directorate of BWDB & IMED.
(2) Internal Rate of Return (i) Financial (ii) Economic	(i) - (ii) 24.30%	

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

The estimated and actual benefits are identical as the entire output targeted has been achieved.

F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
Ministry/Agency:			
S M Mostafa Kamal Joint Secretary, MoWR	29/10/2022	No Major Problems Identified	Instructed to follow Wapda Khal approved design to maintain proper side slope.
Khairun Nahar Deputy Secretary, MoWR	29/10/2022	No Major Problems Identified	Instructed to Complete the project within stipulated time
Sayed Salma Jafreen Joint Secretary, MoWR	06/01/2022	No Major Problems Identified	Instructed to take steps for eviction of illegal structures on Khal.
BWDB:			
Md. Moniruzzaman Chief Engineer, Eastern Zone, BWDB, Cumilla	Several times	No Major Problems Identified	Instructed to follow approved designs for construction works.

Md. Nasir Uddin Superintending Engineer Feni O&M Circle, BWDB, Feni	Several times	No Major Problems Identified	Instructed to follow approved designs for construction works.
IMED:			
Khalil Ahmed Director, IMED	03/01/2022	No Major Problems Identified	a. Complete the project within stipulated time by following time bound action plan. b. Instructed to follow approved designs for construction works.
Others:			
-	-	-	-

**** Mid-Term Evaluation Team has visited the Project on 28/10/2022 and 29/10/2022.**

0.2. Auditing during and after Implementation:

2.1. Internal Audit: Not conducted.

Period of	Date of submission of Audit Report	Major findings/ objections	Whether objections Resolved or not.
1	2	3	4
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2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections Resolved or not.
1	2	3	4
2020-21	-	-	-
2021-22	-	a) Performance security has not been cancelled inspite of work didn't start after 1 year of work order. b) Working site showed at Begumgonj Upazila instead of Sadar Upazila.	Answer is submitted through competent authority.
2022-23	-	a) Earth work bill has been given without Pre work & Post work report by Taskforce.	Answer will be submitted through competent authority.

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G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background:

Bangladesh is a riverine country. Following the natural disaster and repeated heavy rainfall in the period of June to August caused water logging as well drainage congestion at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District. At all these locations, re-excavtion of Khal for removal of drainage congestion and ensurence of irrigation facility of 43000 hectre area were urgently required. Moreover, the project was required to develop the socio-economic condition in Project area as well as to enhance human lives and save assets of these areas. An integrated approach was required to ensure irrigation facility of 43000 hectre area and removal of water congestion at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla simultaneously. Hence, the project of "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" was prepared and submitted. The project included 310.00 km of Re-excavtion of Khal to revome water congestion as well as to ensure irrigation facility of 43000 hectre area.

1.2 Justification/Adequacy:

Bangladesh is a riverine country. Following the natural disaster and repeated heavy rainfall in the period of June to August caused water logging as well drainage congestion at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District. Above mentioned problem has been causing because of not re-excavting existing khal for a long ages. At all these locations, re-excavtion of Khal for removal of drainage congestion and ensurence of irrigation facility of 43000 hectre area were urgently required. Moreover, the project was required to develop the socio-economic condition in Project area as well as to enhance human lives and save assets of these areas. Hence, re-excavtion of Khal to drain out the exccesive rain water of project area through Noakhali Khal and Wapda Khal was extremely needed.

The project objective includes maximum growth, increasing sector efficiency, inter sector linkages, planned utilization and efficient management of water resources. As an action plan under said strategies & national development goals, re-excavtion of Khal was formulated.

1.3 Objectives:

The objectives are:

- a) Drainage of rain water through khal network to remove congestion.
- b) Re-excavtion of khal to ensure irrigation facility for 43000 hectre area.
- c) Development of socio-economic condition in Project area.

1.4 Project revision with reasons:

The project named "Re-excavation of khal to Removal The Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" has been approved in ECNEC meeting held on 29/09/2020. The estimated cost of the original approved DPP was BDT 7186.57 lac. In the approved DPP, there was provision of re-excavating of khal for a length of 310.00 km at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District. The 1st Revision of the project has been done on

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28/02/2023 due to the original DPP needed revision in compliance with omitting the duplication of some khals which have been excavated recently by other organization. Besides, some of new khals at Senbag and Sonaimuri were needed to re-excavate for mitigating water logging and ensuring more irrigation coverage area to produce much agricultural crops. Notice that, mid term evaluation team have visited project site on 29/10/2022 and recommended to add extra 10 (Ten) nos khal. Later, in monthly ADP review meeting, a decision has been made to recast DPP with adding 8 (Eight) nos new khals. Finally, 10 (Ten) nos new khals have been added in RDPP according to compliance with DPEC meeting held at MoWR on 10/01/2023 to mitigate water congestion of additional 6800 hectre area. Hence, Revision of Old DPP has been done with the approval of respective authority.

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

The monsoon discharge of the major rivers/khals is so large that there is recurrence of floods every year. Sometimes it become very severe and causes immense damages impacted by occurrence of inundation. This has significant social and economic impacts. The loss of crop and property has led to poverty in project area. In this backdrop, there have been growing concerns now for reassessment of the economic and socio-political benefits of protecting agricultural crops, important locations, infrastructures, valuable properties and towns, growth centres etc. The issue has been duly emphasized in the National Town Plan. The National Water Policy emphasized for protection of strategic geographic locations & important economic zones from inundation. Also, National Water Management Plan emphasized on the development and management of water resources with appropriate measures for water congestion mitigation for enabling environment.

The present Government has given utmost importance on increasing agricultural production for overall socio-economic development. Due importance has also been given for increasing fisheries and livestock production. The project objective includes maximum growth, increasing sector efficiency, inter sector linkages, planned utilization and efficient management of water resources.

As an action plan under said strategies & national development goals, proposed bank protection work was formulated.

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

Project Identification:

The project was initially identified by the local politicians, Local elites, Public representatives, Honorable local member of parliament, Local administratives etc. Those stakeholders earnestly requested to the Honorable Member of Parliament for addressing the problem of water logging. Accordingly, Honorable Member of Parliament sent DO letter to honorable minister, Ministry of Water Resource to take up the project.

Project Preparation:

According to the instruction of Honorable Minister, Ministry of Water Resource & the Secretary, Ministry of Water Resource & the Director General, BWDB, the project was prepared. A technical report was performed by the technical committee formed on 11/06/2017 by BWDB. Later, a corrected

technical report was submitted on 06/03/2019. In that study they recommended to re-excavate 54 khals including the length of 318 km. The project was prepared considering recommendation of the technical report for mitigating water congestion.

Appraisal:

A Technical Committee was formed by BWDB and they provided a study report on the project area on 11/06/2017. Later, according to compliance report of DPEC by Mowr a corrected technical report was submitted on 06/03/2019. After that, PEC meeting was held and according to the decision of PEC meeting, the DPP was corrected and sent to the ECNEC for approval. Finally, the project was approved by the ECNEC on 29/09/2020.

Credit Negotiation: Not Applicable.

Credit Agreement: Not Applicable.

Credit Effectiveness: Not Applicable.

Loan Disbursement: Not Applicable.

Loan Conditionalities: Not Applicable.

Project Approval:

The original project was approved on 29/09/2020, 1st Revision of the project was approved on 28/02/2023.

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 stack 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.

- Re-excavation of khal has ensured Irrigation facility for 43000 hectre area.

4.4.2. Indirect

- Drainage of rain water through khal network has removed congestion.
- Safety of human livelihood and properties has provided.
- Socio-economic condition of the project area has improved.

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 and business centres are protected.

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4.8 Possibility of women-employment opportunity:

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

Women's participation in development: Yes.

4.9 Probable Impact on Socio-Economic activity.:

Socio-economic balance in the locality is enhanced.

4.10 Impact on environment:

Environmental enhancement is achieved through the implementation of the project.

4.11. Sustainability of the project:

The project is sustainable but requires periodic maintenance.

4.12. Contribution to poverty alleviation/reduction:

The re-excavation of Khal can not directly influence either the distribution of land or financial resources among the households, which determine the amount of available food grain for the different households in rural areas. However, the level of production of rice can influence per capita availability of rice by its impact on prices. Besides, more output per unit of land means greater amounts to be taken home by the sharecroppers who are at the lower side of the poverty scale.

4.13. Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.

Positive remarks regarding the project.

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

Not Applicable.

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)

Project Management	: N/A
Project Director	: N/A
Land Acquisition	: N/A
Procurement	: N/A
Consultancy	: N/A
Contractor	: N/A
Manpower	: N/A
Law & Order	: N/A
Natural Clamity	: N/A
Project financing,	: N/A
allocation & release	
Design formulation/Approval	: N/A

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Project aid disbursement	: N/A
And re-imbursement	
Mission of the development	: N/A
Time & Cost Over-run	: Was completed within due time with remarkable amount of cost saving upon well completion of project.
Project supervision/ Inspection	: N/A
Delay in decision	: N/A
Transport	: N/A
Training	: N/A
Approval	: N/A
Others	: Some of the Khals were re-excavated by other organization. Scope of new Khal re-excavation was created. Hence, DPP lead to RDPP.

6. Remarks & Recommendations of the Project Director:

Bangladesh is a riverine country. Following the natural disaster and repeated heavy rainfall in the period of June to August caused water logging as well drainage congestion at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District. At all these locations, re-excavation of Khal for removal of drainage congestion and ensurance of irrigation facility of 43000 hectre area were urgently required. Moreover, the project was required to develop the socio-economic condition in Project area as well as enhance of human lives and save assets of these areas. An integrated approach was required to ensure irrigation facility of 43000 hectre area and removal of water congestion at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla simultaneously. Hence, the "Re-excavation of khal to Removal the Drainage Congestion in Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District" was prepared. The project included 310.00 km of Re-excavation of Khal to revome water congestion as well as to ensure irrigation facility of 43000 hectre area. Due to implementation of the project, physical safety and sense of security among the project people have been developed, resulting in enhanced investment in housing and commercial buildings, enhanced investment in business and development work and have also caused positive impacts on agriculture and fish resources production and land prices. These all did shall cause enhanced opportunity of employment and poverty alleviation.

The very nature & objective of this project have direct relevance with the natural objective of attaining self-reliance, generation of rural employment, Poverty alleviation especially for rural poor section, creation of social & environmental balance & building of economic infrastructures for the future generation to sustain due to excessive rain water congestion mitigation.

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The commencement and completion of the project is scheduled to be accomplished in 2020-21 to 2022-23 as per approved DPP (1st Revised) and accordingly implementation completion has been achieved. The Project is specifically linked with SDGs (Goal-1. End Poverty in all its forms, Goal-2. Achieve food security and improved nutrition and promote sustainable agriculture, Goal-5. Achieve gender equality and empower all women and girls, Goal-13. Take urgent action to combat climate change and its impact). The Ministry of Water Resources has been engaged in all programs relating to water sector development and management. It will continue to deal with removal of water congestion. 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:

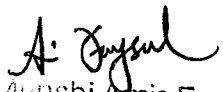
"Ensuring continued progress towards fulfilling the national and MDG goals of development through acquisition of water resources, optimizing its various use, managing resources for poverty reduction and sustainable development for securing their lives and properties from water related disasters".


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.

During the implementation of this project members of different committees & monitoring authorities visited project site and gave their opinions which has helped implementation of the project within project period. Project was implemented properly following respective design, drawing and specification. The quantity of excavated earth was ensured by Task force committee of BWDB and concerned officials of BWDB. After successful implementation of this project at Begumgonj, Chatkhil, Senbag & Sonaimuri Upazilla of Noakhali District, water congestion has been mitigated. The socio-economic condition of the people has been being improved. Scope of new jobs & works have been created. The safety of human livelihood and properties have also been improved.

Recommendation:

- i) Proper monitoring and regular maintenance of the implemented re-excavation of khal are required for more sustainability of the project.


Anshi Amir Faysal
Executive Engineer (Civil)
Noakhali O&M Division
BWDB, Noakhali.


(Swapan Kumar Barua)
Project Director
&
Superintending Engineer
Feni O&M Circle, BWDB, Feni.

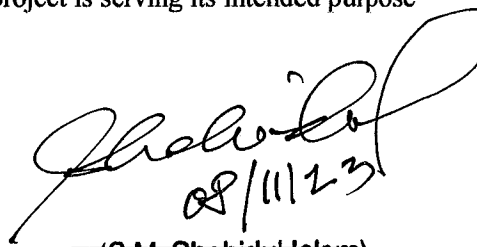
Date:

Signature and seal of the Project Director/Manager

7. Remarks/Comments of Agency Head

The aim of this project was to remove drainage congestion in Begumgonj, Chatkhi, Senbag & Sonaimuri Upazilla of Noakhali District by re-excavation different Canals. The re-excavation of 296.945 km of canals removed water congestion as well as ensure irrigation facility to 43,000 hectare area. Also, socio-economic condition of the people living in the project area has been improved. The project is serving its intended purpose and can be regarded as a successful one.

Date:


08/11/23
(S.M. Shahidul Islam)
Signature and Seal
ID NO: 65030/001
Director General
BWDB, Dhaka.

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

Under this project 296.945 km khal have been re-excavated. The Project has been completed successfully with the objective to mitigate water congestion and ensure irrigation facility.

Date:

Signature and Seal

