

BANGLADESH WATER DEVELOPMENT BOARD



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

Name of the Project: Re-excavation of Canals for irrigation in Coastal Polders under Barguna Districts (1st Revised).

PROJECT PERIOD: APRIL 2018 TO JUNE 2021.

DIVISION : Barguna O&M Division, BWDB, Barguna.

CIRCLE : Patuakhali WD Circle, BWDB, Patuakhali.

ZONE : Southern Zone, BWDB, Barisal.

Government of the People's Republic of Bangladesh
Ministry of Planning
Implementation Monitoring and Evaluation Department.

PROJECT COMPLETION REPORT: IMED 04/2003 (REVISED)

A. PROJECT DESCRIPTION:

- 01. Name of Project** : Re-excavation of Canals for irrigation in Coastal Polders under Barguna Districts (1st Revised).
- 02. Administrative Ministry/ Division** : Ministry of Water Resources
- 03. Executing Agency** : Bangladesh Water Development Board.
- 04. Location of the Project** : Upazila: Amtoli, Taltoli, Barguna Sadar, Betagi, Patharghata and Bamna; District: Barguna.
- 05. Object of the Project** :
- Increase of irrigation facilities for agriculture inside the polder area of Bamna, Patharghata, Betagi, taltoli, amtoli and Barguna sadar upazilla of Barguna Districts and Development of Biodiversity.
 - Cropping intensity will be increased 27% (from 218% to 245%) and 135963.00 metric ton of additional crops will be produced.
 - Navigational facilities will be improved inside the polder area.
 - Irrigation facilities will be increased, and farm income will be enhanced.
 - Environmental stabilities will be maintained through the conservation of clean and sweet water.
 - Increase of farmers income through incremental production of agriculture and fisheries due to increase of irrigation facilities and opportunities of new employment.
 - Development of environment and increase of potable water through the conservation of water in canals inside the polder area.
 - Conservation and development of biodiversity specially the livelihood of aquatic plants and animals.

06. Estimated Cost:

(In Lakh Taka)

	Original	Latest Revised (1 st)
a) Total	6133.44	6117.92
b) Taka	6133.44	6117.92
c) Foreign Currency	-	-
d) Project Aid	-	-
e) RPA	-	-

07. Date of Approval:

	PCP	PP
a) Original :	-	03/04/2018
b) Latest Revised :	-	01/03/2020

08. Implementation period :

	Date of Commencement	Date of Completion
a) Original	April, 2018	June, 2021
b) Latest Revised (1 st)	April, 2018	June, 2021
c) Actual	April, 2018	June, 2021

09. Financial Agreement (source wise):

9.1 Status of Loan / Grant:

a) Foreign Financing:

Source(s)	Currency as per Agreement	Amount in US\$ (Million)	Nature (Loan/Grant Supplier's credit)	Date of Agreement	Date of Effectiveness	Date of Closing	
						7	8
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
6117.92	-	6117.92	-

9.2 Utilization of Project Aid: (Source wise)

(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 Reimbursable Project Aid (RPA)

(In Lakh Taka)

RPA Amount		Amount Spent	Amount claimed	Amount Reimbursed	Remarks.
As Per DPP	As per Agreement				
1	2	3	4	5	6

..... N/A.

B. IMPLEMENTATION POSITION**01. Implementation Period:**

Implementation Period as per DPP		Actual Implementation Period	Time Over Run (% of Original Implementation Period)	Remarks
Original	Latest Revised			
1	2	3	4	5
April/2018 to June/2021	April/2018 to June/2021	April/2018 to June/2021	0.00%	Project has been completed within scheduled time.

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	6133.44	6117.92	5970.64	(-)2.65%	Didn't over-run.
Taka	6133.44	6117.92	5970.64		
PA	-	-	-		

03. Project Personnel: Project work has been implemented by existing manpower of Barguna O&M Division, BWDB, Barguna. There is 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	Male	Female
1	2	3	4	5	6	7
Officer (s)	Existing manpower of the implementing agency were deployed during execution of the project.					
Staff (s)						
Total						

..... Nil.....

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

Field of Training /Study tour/work shop/ Seminar etc.	Provision as per PP		Actual		Remarks.
	Number of Person	Man- months	Number of Person	Man months	
1	2	3	4	5	6

a) Foreign Nil

b) Local Nil

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

(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:						
Petrol and Lubricant	item	3.00	100%	3.00	100%	
Printing & Publication	item	7.00	100%	7.00	100%	
Office stationery, seal, stamp etc.	item	5.00	100%	4.99	100%	
Honorarium/Fee/ Remuneration	item	3.00	100%	2.98	100%	
Honorarium for Mid Term Evaluation	item	5.00	100%	4.99	100%	
Survey and investigation	item	12.00	100%	12.00	100%	
Sub-Total (A) :		35.00		34.96		

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
B. Capital Component:						
b1. Acquisition of Assets						
Levelling Machine-3 nos, Plain table 1-no, and hand GPS -1 no	Nos	5.00	5	4.30	5	
Computer Accessories (with Printer and Scanner) -2nos	Nos	1.50	2	1.35	2	
Office Instrument (Photocopier)-1 No	Nos	1.50	1	1.35	1	
Office Furnitures	LS	2.00	100%	2.00	100%	
Sub-Total (b1) :		10.00		9.00		
b2. Construction of works:						
a) Canal Re-excavation Work 158 nos (by Labor) 119.86 Km Earthwork: 1015000.00 Cum	Km	1974.12	119.86 Km (10.15 lac cum)	1927.60	119.86 km (Pre- work survey earth volume 10.15 lac cum & Post work survey earth volume 9.80 lac cum)	
b) Canal Re-excavation Work 158 nos (by Excavators) 279.68 Km Earthwork: 3032000.00 Cum	Km	3489.72	279.68 Km (30.32 lac cum)	3407.49	279.68 km (Pre-work survey earth volume 30.32 lac cum & Post work survey earth volume 29.61 lac cum)	
c) Sluice gates Repair & Maintenance (Civil maintenance) 26 nos	Nos.	513.58	26	507.36	26	
d) Sluice gates Repair & Maintenance (Mechanical maintenance) 16 nos	Nos.	85.50	16	84.23	16	
Sub-Total (b2) :		6062.92		5926.68		
Sub-Total (B) :		6072.92		5935.68		
(C) Physical Contingency	L.S.	5.00	100%	0.00	-	
(D) Price Contingency	L.S.	5.00	100%	0.00	-	
Total (A+B+C+D):		6117.92		5970.64	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
Majibur Rahman Superintending Engineer 50000-71200 (4 th Grade)	Full time	-	Yes	24/06/2018 (From beginning)	till to date	

07. Procurement of Transport (in nos.):

Type of Transport	Number as per DPP	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
			N/A			

08. Procurement of Goods, Works and Consultancy Service.

08.1. Goods & Works of the Project Costing above Tk. 200.00 lakh and Consulting above 100.00 lakh.

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Pro posal		Date of completion	
	As per DPP	Contract value	Invita tion date	Contract signing/ LC opening date	As per contract	Actual
1	2	3	4	5	6	7
<p><u>BWR-01-ADP-2018-19</u> Re-excavation of Chonbuni Jaliagata Napitkhali Porighata Amtala Holta River Bashtala Kalatalar/Singrabunia Boiragir Kalmega/Ghutabachia Charlatimara sluice Badurtala sluice khal & Branch Padma sluice khal & Branch Koralia & Branch Hazir Ruhita mazer Chailatala Baritala Niglitimara Sheirabad sluice khal & Branch Machar khal & Branch Hoglapata sluice khal & Branch Kaliar Gean para sluice khal & Branch Choto Tengra Charduani and Machar khals Total 81.24 km in polder no.39/1A 40/1 and 40/2 Under Re-excavation of canals for irrigation in coastal Polders under Barguna Districts under Barguna O&M Division BWDB Barguna During the year 2018-2019.</p>	Original = 1292.42 1 st Revised = 1291.59	1291.59	05-09-2018	21-10-2018	27-04-2021	27-04-2021
<p><u>BWR-02-ADP-2018-19</u> Re-excavation of Sonakhali Manikhali Maitha Boro Lobongola Khalifa bari Charakgachia Crock Patakata Urbunia Bashunia Falishatoli Kalirtabok Bashtola Fuldalua Jintala and Amratola khals in polder 41/1 41/2 and 41/3 for a length of 38.965 km in Barguna upazilla under Re-excavation for irrigation in Coastal Polders under Barguna Districts under Barguna O&M Division BWDB Barguna During the year 2018-2019.</p>	Original = 382.90 1 st Revised = 344.40	344.40	05-09-2018	20-10-2018	30-04-2020	30-04-2020
<p><u>BWR-04-ADP-2018-19.</u> Re-excavation of Pipulia Dopar Ramna BranchMunshi Bari Ramna Sluice Branch Dawatala Sluice & BranchKrishnachura Golaghata Sluice & Branch Ramna BazarFonibushon paick bari Akon Bari Sonbunia Choto Talarshor Inlet Boro Talarshor badar GabtalaChalitabunia Lakkah pura Inlet Bamna sluice & Branch Kholpatua & Branch Balaibunia sluice & Branch Kataltali Bandorgachia Mollar Hora Sagimara Raybog and Manikzor khals in polder 39/1D 39/2A and 41/4 for a length 49.337 km in Bamna and Barguna upazillas under Re-excavation for irrigation in Coastal Polders under Barguna Districts under Barguna O&M Division BWDB Barguna During the year 2018-2019.</p>	Original = 772.04 1 st Revised = 694.61	694.61	05-09-2018	20-10-2018	27-04-2021	27-04-2021
<p><u>BWR-05-ADP-2018-19.</u> Re-excavation of Bainsomarto Monosatoli Boro Baliatali Choto Baliatali Porir Rakkhachandi Patakata Ayla Itbaria Horida baria ChalitabuniaChiltala ingrabunia Boduthakurani Latabaria Chotbaria Tulsibaria Gatbaria Korila Gangila Goriabunia Deshontarkhati Zopkhali Nomor and Kistanpara khal in polder 41/5 41/6A and Bibichini for a length 57.00 km in Barguna and Betagi upazillas under Re-excavation for irrigation in Coastal Polders under Barguna Districts under Barguna O&M Division BWDB Barguna During the year 2018-2019</p>	Original = 782.23 1 st Revised = 702.50	702.50	05-09-2018	19-11-2018	30-04-2020	30-04-2020

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Pro posal		Date of completion	
	As per DPP	Contract value	Invita tion date	Contract signing/ LC opening date	As per contract	Actual
1	2	3	4	5	6	7
<u>BWR-06-ADP-2018-19</u> Re-excavation of Sarisamuri Dibbachora Kumrakhali Asrafer Chorar Napitkhali Chalitabunia Bhorar Gabtali Kalikabari Aghorkhati Garganbunia Sonatala Padma Kumirmara Garjonbunia Barini Sialia khals in polder 41/7B and 42 for a length 40.05 km in Barguna and Betagi upazilla under Re-excavation of khals for irrigation in Coastal Polders under Barguna Districts under Barguna O&M Division BWDB Barguna During the year 2018-2019	Original = 535.36 1 st Revised = 481.79	481.79	16-09-2018	20-12-2018	25-06-2021	25-06-2021
<u>BWR- 08-ADP-2019-20</u> Re-excavation of Aungulkata, Bayannokura, Bazarkhali, Bot-tola, Fokirkhali, Goshkhali, Katakhal, Bawalkar, Boro Gourichanna, Geanpara, Gulishakhali, Katakhal, Khajurtala, Nonar, Shaheber Howlar, Charchopkhali, Kobirajbari(Kabil Akon), South Karuna, Mokamia Khal total 59.04 Km in polder No. 43/2F & 41/6B, 41/7A under "Re-excavation of canals for irrigation in coastal Polders under Barguna District" under Barguna O&M Division BWDB Barguna during the year 2018-2019	Original = 811.33 1 st Revised = 831.00	831.00	31-07-2019	16-10-2019	11-04-2021	11-04-2021
<u>BWR- 09-ADP-2019-20</u> Re-excavation of Kazir, Behela, Behela Munas, Choror, Chorokgasia, Horin Khola, Jugiyar & Branch, Silvertoli, Boro Amkhola, Joyalvanga, Mourodi, Nalbunia, Sokhinar, Ular, Moubariya, Douatola, Chawla and Amtola Khal total 40.860 Km in polder No. 44-B, 45 & 43/1A under "Re-excavation of canals for irrigation in coastal Polders under Barguna District" under Barguna O&M Division BWDB Barguna during the year 2018-2019	Original = 509.19 1 st Revised = 641.30	641.30	31-07-2019	16-10-2019	11-04-2021	11-04-2021
<u>BWR- 07-ADP-2019-20</u> Repair/Maintenance(Civil work & Gate) of Kalagachia Inlet(0.900m dia) at Km 6.600 in polder no. 39/2A, Kachira Inlet(0.900m dia) at Km 4.600 in polder no. 39/2A, Aozodha Inlet(0.600m dia) at Km 1.800 in polder no. 39/2A, Uttar Ramna Inlet(0.900m dia) at Km 58.800 in polder no. 39/1D, Chalabhanga Drainage Sluice(2V-1.50m x 1.80m) at Km 66.200 in polder no. 39/1D, Ramna Drainage Sluice(3V-1.50m x 1.80m) at Km 63.000 in polder no. 39/1D, Golaghata Drainage Sluice(2V-1.50m x 1.80m) at Km 54.100 in polder no. 39/1D, Hotakhali Drainage Sluice(4V-1.50m x 1.80m) at Km 3.550 in polder no. 39/1D and Koraitola Drainage Sluice(2V-1.50m x 1.80m) at Km 1.500 in polder no. 39/1D, under "Re-excavation of canals for irrigation in coastal Polders under Barguna District" under Barguna O&M Division BWDB Barguna during the year 2018-2019.	Original = 232.10 1 st Revised = 157.11	157.11	31-07-2019	21-10-2019	08-03-2021	08-03-2021
<u>BWR- 03-ADP-2019-20</u> Repair/Maintenance(Civil work & Gate) of Anger para, Ayla, Corok, Itbaria, Jelkhana, Junglai, Khajura, Road para, Urbunia, Badar Khal sluice, Lemua & Adom bazar inlet in polder no. 41/2, 41/3, 41/6A & 41/6B under "Re-excavation of canals for irrigation in coastal Polders under Barguna District" under Barguna O&M Division BWDB Barguna during the year 2018-2019.	Original = 209.98 1 st Revised = 211.97	211.97	31-07-2019	21-10-2019	30-06-2021	30-06-2021

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Pro posal		Date of completion	
	As per DPP	Contract value	Invita tion date	Contract signing/ LC opening date	As per contract	Actual
1	2	3	4	5	6	7
BWR- 11-ADP-2019-20 Repair/Maintenance(Civil work & Gate) of Rokkhachandi, Maitha, Jugia, Chunkhali, Kalibari, Badurtala, Padma, Koralia, Charlathimara, sluice, Kalagasia & Azodha inlet in polder no. 41//5, 44/B, 43/1,40/1 & 39/2A under "Re-excavation of canals for irrigation in coastal Polders under Barguna District" under Barguna O&M Division BWDB Barguna during the year 2018-2019.	Original = 185.48 1 st Revised = 230.00	230.00	30-09-2019	07-11-2019	30-06-2021	30-06-2021
BWR- 10-ADP-2019-20 Reexcavation of Gazipura, Kathalia, Kerrabunia, Thundakhali, Tepura Gofuria Uttor Kathalia, Ghotkhali, Jugiar, Ghughumari, Boithakata, Krishno-nagor, Sonautha and Tiakhali Khal total 33.050 Km in polder No. 54/B & 43/1 Under Re-excavation of canals for irrigation in coastal Polders under Barguna District under Barguna O&M Division, BWDB, Barguna During the year 2018-2019.	Original = 332.42 1 st Revised = 476.68	476.67	31-07-2019	12-03-2020	30-06-2021	30-06-2021

08.2. 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 utilized	Remarks
	As per PP	As per contract.		
1	2	3	4	5
a) Foreign	Nil
b) Local	Nil

09. Construction / Erection / Installation Tools & Equipment:

Description of items	Quantity (As per DPP)	Quantity procured with date	Transferred to O&M with date	Deposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
..... N / A.						

C. FINANCIAL AND PHYSICAL PROGRAMME:

1. (a) Original and revised schedule as per DPP.

(In Lakh Taka)

Financial year	Financial Provision & Physical target as per original DPP				Financial Provision & Physical target as per latest revised DPP			
	Total	Taka	PA	Physical %	Total	Taka	PA.	Physical %
1	2	3	4	5	6	7	8	9
2017-18	2120.00	2120.00	-	34.56%	0.00	0.00	-	0%
2018-19	2444.44	2444.44	-	39.86%	698.97	698.97	-	11.42%
2019-20	1494.00	1494.00	-	24.36%	3000.00	3000.00	-	49.04%
2020-21	75.00	75.00	-	1.22%	2418.95	2418.95	-	39.54%
Total	6133.44	6133.44	-	100.00%	6117.92	6117.92	-	100.00%

1. (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
2017-18	-	-	-	-	-	-	-	-	-
2018-19	700.00	700.00	-	11.42%	700.00	698.97	698.97	-	25.00%
2019-20	3000.00	3000.00	-	58.58%	3000.00	2995.00	2995.00	-	45.00%
2020-21	2278.00	2278.00	-	30.00%	2278.00	2276.67	2276.67	-	30.00%
Total	5978.00	5978.00	-	100.00%	5978.00	5970.64	5970.64	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a) Increase of irrigation facilities for agriculture inside the polder area of Bamna, Patharghata, Betagi, taltoli, amtoli and Barguna sadar upazilla of Barguna Districts and Development of Bio-diversity.	Objective has been achieved.	No shortfall
(b) Cropping intensity will be increased 27% (from 218% to 245%) and 135963.00 metric ton of additional crops will be produced.	Objective has been achieved.	
(c) Navigational facilities will be improved inside the polder area.	Objective has been achieved.	
(d) Irrigation facilities will be increased, and farm income will be enhanced.	Objective has been achieved.	
(e) Environmental stabilities will be maintained through the conservation of clean and sweet water.	Objective has been achieved.	
(f) Increase of farmers income through incremental production of agriculture and fisheries due to increase of irrigation facilities and opportunities of new employment.	Objective has been achieved.	
(g) Development of environment and increase of potable water through the conservation of water in canals inside the polder area.	Objective has been achieved.	
(h) Conservation and development of biodiversity specially the livelihood of aquatic plants and animals.	Objective has been achieved.	

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 1 st year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
Net incremental benefit from agricultural production	LS	3103.72 lac	2200.00 lac net incremental benefit was achieved in the last year of implementation period
Drainage facility improvement and availability of water for domestic use	LS	Indirect benefit	Drainage facility of the project has been improved remarkably and water has been available for domestic use.

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost of the project		It will be evaluated later by concern directorate of BWDB & IMED.
(i) Financial	3.23:1.00	
(ii) Economic	3.74:1.00	
(2) Internal rate of return		
(i) Financial	48.57%	
(ii) Economic	57.24%	

(3) Please give reason for shortfall, if any, between the estimated and actual benefit: No Shortfall.

F. MONITORING AND AUDITING.

01. Monitoring:

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
Ministry/Agency:			
M Shan-E-Alam Misty Senior Assistant Secretary, MoWR.	19/11/20	No major problems identified.	Project Progress was satisfactory
MD. Mahmud Hasan Deputy Secretary, MoWR.	28/11/19	No major problems identified.	Project Progress was satisfactory
Montu Kumar Biswas Additional Secretary, MoWR.	19/11/20	No major problems identified.	Project Progress was satisfactory
Md. Alamgir Hossain Deputy Secretary, MoWR.	08/01/21	No major problems identified.	Project Progress was satisfactory
Md. Azdur Rahman Mollick Joint Secretary, MoWR	29/05/21	No major problems identified.	Project Progress was satisfactory
BWDB:			
Zulfiqur Ali Hawlader Chief Engineer, Southern Zone, BWDB, Barisal.	Several times	No major problems identified.	Approved design must be followed.
Md. Harun-Ar-Rashid Chief Engineer, Southern Zone, BWDB, Barisal.	Several times	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
Md. Nurul Islam Sarkar Chief Engineer, Southern Zone, BWDB, Barisal.	Several times	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.
Majibur Rahman Superintending Engineer, Patuakhali WD Circle, BWDB, Patuakhali.	Several times	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.
IMED:			
Dr. Md. Mahmudul Hasan Deputy Director, IMED.	19/11/20	No major problems identified.	-
Planning Commission:			
A.K.M Abul Kalam Azad Deputy Chief, Planning Commission.	19/11/20	No major problems identified.	Project Progress was satisfactory
Mid-term Evaluation :			
The mid-term evaluation of the project was done by the mid-term evaluation committee as formed by the ministry of water resources as per provision of the approved DPP. The mid-term evaluation committee physically visited the project site and submitted a full report after thorough evaluation.			No remarkable observation to be considered was made (Report enclosed: annex 1).

02. Auditing during and after Implementation:

2.1. Internal Audit:

Period of Audit	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
No internal Audit conducted			

2.2. External Audit:

Audit Period	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
2019-20	Not Conducted yet.		
2020-21			

G. DESCRIPTIVE REPORT

General Observations/Remarks of the Project on:

1.1 Background

Bangladesh is a low-lying country. The coastal zone in southern Bangladesh adjoining the Bay of Bengal is characterized by a delicately balanced natural morphology of an evolving flat delta subject to very high tides and frequent cyclones coming in from the Bay of Bengal encountering very large sediment inflows from upstream. The strength of the tides and the flatness of the delta causes the tides to influence river processes a long way upstream in the southern estuaries. This entire area is called the coastal zone. The coastal zone, in its natural state, used to be subject to inundation by high tides, salinity intrusion, cyclonic storms and associated tidal surges.

In the 1960s, polderization was started in the coastal zone of the country to convert this area into permanent agricultural lands. The polders in this area are enclosed on all sides by dykes or embankments, separating the land from the main river system and offering protection against tidal

floods, salinity intrusion and sedimentation. The polders lands are slightly higher than sea level. The polders were designed to keep the land safe from daily tide to allow agriculture activities. Without embankments the coastal communities would be exposed to diurnal tidal fluctuations. These polders are equipped with inlet and outlet, sluice gates to control the water inside the embanked area.

As a result of polderization and developed irrigation facilities in the area by excavation of irrigation canal the crop production was increased drastically. As part of polderization Barguna district was empoldered by 22 polders (Figure 1.1.1) that benefit the area with very rapid increase in agricultural products, provided security against cyclonic deluge and socio-economic improvement. The pace of infrastructural development rose very sharply based on protection from the devastating natural calamities of flood and cyclone. People become very happy producing more crop and the area has been saved from flood/tidal surge and saline water intrusion.

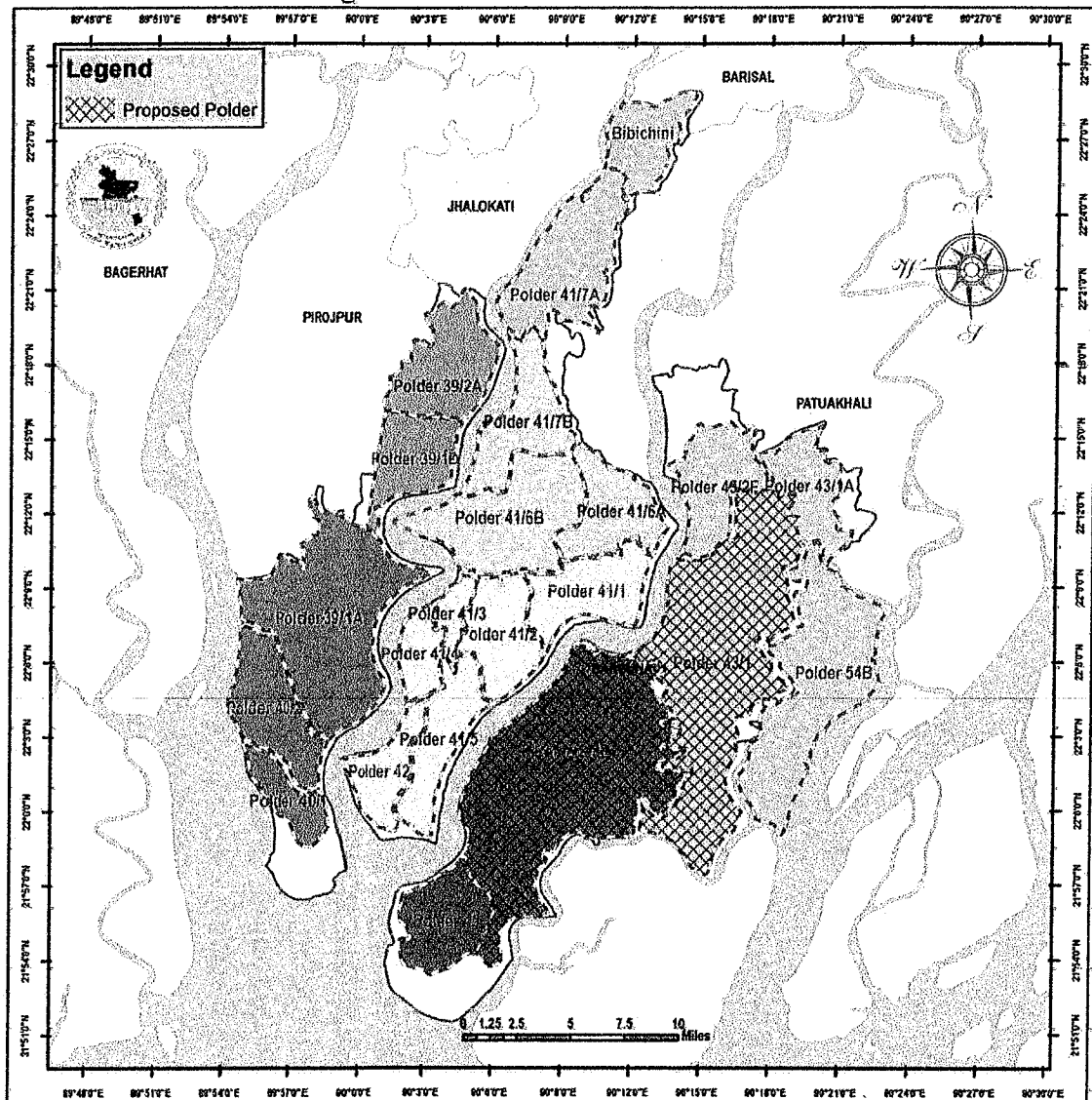


Figure 1.1.1 Polder under Barguna District

Over time the canal of the connecting regulator was silted up by silt deposition and the storage capacity was reduced drastically. It causes the disruption of irrigation system and failure of drainage facility in polder area. The agricultural production was reduced to one third due to salinity intrusion in the area during dry season. At the same time during rainy season the valuable properties of people become highly vulnerable to damage by water logging. In this situation it was obvious to restore the irrigation and drainage facilities of the area to increase agricultural production and protect valuable assets for the purpose of food safety and sustainable development. As a result, total 160 nos khal of 532.32 km in six Upazilla were identified for re-excavation and at the same time 30 nos sluices were

identified for civil repair and 20 nos sluices were identified for mechanical repair to restore the irrigation and drainage system.

The Hon'ble Prime Minister gave instructions for the implementation of this project at a public meeting in Barguna district on 06/05/2010.

A technical committee was formed by BWDB to study and verify the project. The project was considered in the light of the submission of a report by the said technical committee recommending approval of the project.

1.2 Justification/Adequacy:

Barguna is a coastal district in the southern part of Bangladesh. The district, surrounded by Sea and Sundarbans in the south and large rivers all around, is a disaster-prone area near the Bay of Bengal, is rich in agricultural and fishery resources. The effects of floods, waterlogging, tidal surges and salinity intrusion guide the nature of agriculture in the region and the livelihoods of the local people. Bangladesh Water Development Board has been implemented a total of 22 flood control and drainage projects in Barguna district since the sixties of the last century to protect the crops from saline water, including protection of lives and property from natural disasters. Under the projects, about 805.00 km flood control embankments and 754 small and large water control infrastructures have been constructed. The implementation of these projects has made it possible to provide flood control, removal of waterlogging and limited irrigation facilities in a total area of 1,36,203 hectares in 6 upazilas of Barguna district. As a result, crop production in the region has increased unexpectedly and socio-economic conditions have greatly improved.

Flood control embankments are constructed along the riverbanks around the flood control projects and drainage sluices are constructed along the embankment on the canals inside the project. Under the project drainage sluice is constructed on the canal to control the flow of the canal. The bottom of the canal was silted up due to reduced flow of canals inside the project and not being re-excavated for a long time. On the other hand, the tidal silt deposits in the bottom of the canal accelerate the filling process. As a result, the water holding capacity of the canals is greatly reduced.

Despite the presence of fresh water in most parts of the project in Payra, Bishkhali, Bawleshar, Kholpatua, Khakdon, Andharmanki, Dhankhali, Tiakhali, Banshbunia and Arpangashia rivers, not enough water for irrigation flows through the canal. In this case one have to rely on stored water. Due to silting of canals, farmers do not get irrigation water in the dry season and low flow of water is observed in the canals during the monsoon season. As the bottom of the canals inside the project fills up and the flow decreases, the growth and decomposition of water hyacinth and other aquatic plants results in loss of canal water and serious environmental problems. In this situation, by re-excavating the canals and increasing the water holding capacity and flow capacity of the canals, the fresh water of Payra, Bishkhali, Bawleshar, Kholpatua, Khakdon, Andharmanki, Dhankhali, Tiakhali, Banshbunia and Arpangashia rivers can be stored inside the polders to increase agricultural and fisheries activity. And it is absolutely necessary to benefit the biodiversity.

1.3. Objectives:

The main objectives of this project-

- Increase of irrigation facilities for agriculture inside the polder area of Bamna, Patharghata, Betagi, taltoli, amtoli and Barguna sadar upazilla of Barguna Districts and Development of Biodiversity.
- Cropping intensity will be increased 27% (from 218% to 245%) and 135963.00 metric ton of additional crops will be produced.
- Navigational facilities will be improved inside the polder area.
- Irrigation facilities will be increased, and farm income will be enhanced.



- Environmental stabilities will be maintained through the conservation of clean and sweet water.
- Increase of farmers income through incremental production of agriculture and fisheries due to increase of irrigation facilities and opportunities of new employment.
- Development of environment and increase of potable water through the conservation of water in canals inside the polder area.
- Conservation and development of biodiversity specially the livelihood of aquatic plants and animals.

1.4. Project revision with reasons:

The project "Re-excavation of Canals for irrigation in Coastal Polders under Barguna Districts" was considered for revision due to following five major reasons.

- Increase in cost of canal re-excavation by excavator.
- Reduction in cost of canal re-excavation by manual labor.
- Reduction in cost of repair and maintenance of sluice gates.
- Increase in market price and consequent change in rate schedule.
- Change in working design than the design of original DPP.

The project was approved at the ECNEC meeting held on 03-04-2018 to implement for the period from April 2018 to June 2021. In the original approved DPP there was a provision of TK 2142.86 lakh for canal re-excavation by manual labor and Tk 3265.02 lakh for canal re-excavation by excavator for 532.32 Km of canal under eight packages. But because of updated detailed land survey at actual field condition during implementation period change in obtained actual earth volume and proposed length was observed against the provision of earth volume and length of original approved DPP. During implementation period, by physical inspection and detailed closely spaced field survey, it was found canal re-excavation of total amount of 4046436.33 cum (399.54 Km in 158 nos with 1014774.16 cum by manual labor and 3031662.17 cum by excavator) is required against the DPP provision of 3710078.27cum (532.32 Km in 160 nos with 1113023.48 cum by manual labor and 2597054.79 cum by excavator). Two nos canal was already re-excavated by other organization. Hence, the actual cost for re-excavation by manual labor was reduced by 7.87% from TK 2142.86 lakh to TK 1974.12 lakh (from 1113023.48 cum to 1014774.16 cum) and cost for re-excavation of canal by excavator was increased by 6.88% from TK 3265.02 to TK 3489.72 (from 2597054.79 cum to 3031662.17 cum). The change of rate schedule due to increase in market price was another contribution factor to this. Out of eight packages of canal re-excavation initially five was awarded by tendering in OTM method with a contract price of TK 3514.89 lakh against the original DPP cost of TK 3764.95 lakh. Next year the rest three packages were tendered in OTM method and two of them was awarded with TK 1472.30 lakh against DPP provision of TK 1320.52 lakh and another one was selected to award after approval of revised DPP to lowest responsive bidder with TK 476.67 lakh against original DPP provision of TK 332.42 lakh. That means the overall cost of canal re-excavation was increased by 1.03% (from TK 5407.88 lakh to TK 5463.84 lakh).

After physical field investigation it is observed civil repair of 26 nos sluices and mechanical repair of 16 nos sluices is required against DPP provision of 30 nos and 20 nos respectively. The three packages of sluices repair were awarded with contract price of TK 599.08 lakh against original DPP cost of TK 627.56 lakh. That means the cost for repair and maintenance was reduced by 4.54% (from TK 627.56 lakh to TK 599.08 lakh).

It is to be mentioned that the first meeting of Project Steering Committee was held on 24-09-2019 and decided to take necessary steps for preparing RDPP for quick processing and approval. In this case, the revised project proposal was prepared as the project needs to be revised.

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

It comes out from the study that re-excavation of khal in coastal area would provide increased agricultural production, drainage facility, availability of water and enhanced environmental quality. For long-term food security and poverty alleviation strategy may be largely achieved by khal re-excavation. The project also contributes to the recovery from drainage congestion and environmental degradation.

Detailed Cost-Estimate for earthwork of the project for implementation of the proposed 399.54 km (158nos) khal re-excavation works as recommended by the Technical Committee Report and included under this approved Development Project Proposal (DPP) has been prepared on the basis of approved design by the Design directorate of Bangladesh Water Development Board and current Schedule of Rates of Patuakhali WD Circle, BWDB, Patuakhali.

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

◆ Project Identification:

The Project was initially identified by local politicians, local elites, Public Representatives, Honorable Local Member of Parliament, Local Administrative etc. Those Stakeholders earnestly requested the Honorable Member of Parliament to addressing the problem of irrigation in the area. Accordingly Honorable Member of Parliament sent DO letter to Honorable Minister, Ministry of Water Resources to take up the project. Also, Honorable Prime Minister during a meeting held in Barguna in 2010 instructed to take khal re-excavation activity in Barguna district.

◆ Project Preparation:

As per instruction of Honorable Prime Minister and accordingly Minister, Ministry of Water Resources & the Secretary, Ministry of Water Resources & the Director General, BWDB, the project was prepared. A Technical Committee was formed by BWDB to submit a Technical Report in respect of social, economic & environmental impact, impact on agricultural productivity and sustainability in the project area. Based on technical report submitted by committee, the project was prepared.

◆ Appraisal:

PEC meeting was held on 16-02-2017 in Planning Commission. As per decision of PEC meeting the DPP was reformed & sent to the ECNEC for approval the above project and finally the project was approved by the ECNEC on 03-04-2018.

◆ **Credit Negotiation:** Not Applicable.

◆ **Credit Agreement:** Not Applicable.

◆ **Credit Effectiveness:** Not Applicable.

◆ **Loan Disbursement:** Not Applicable.

◆ **Loan Conditionality:** Not Applicable.

◆ Project Approval:

The Project was approved by ECNEC on 03/04/2018 and 1st Revised DPP was approved by Honorable State Minister, Ministry of Water Resources on 01/03/2020.

◆ **Others (if any):** Nill.

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 complementation of the project major repair & maintenance works will be accomplished from regular O&M budget of BWDB.
- 4.4 Impact of the project -**
- 4.4.1 Direct.**
- Conservation of sufficient amount of sweet water in the khal and consequently net incremental benefit from agricultural production during last year of implementation period was TK 2200 lac.
 - In some cases, there was obstruction to the agricultural activity by very small scale due to stacking of excavated earth on the agricultural land beside the canal bank during implementation period. But it was temporary.
- 4.4.2. Indirect**
- Improvement of drainage facility in a remarkable amount.
 - Availability of sufficient amount of water for domestic use in the project area.
- 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 agricultural activity in the area was increased. In addition, there is plenty of water available in the khal throughout the year for fisheries activity, which is favorable for self-employment.
- 4.8 Possibility of women-employment opportunity**
Yes, there are possibilities of women-employment in both agriculture and fishery sector.
- 4.9 Women's participation in development**
Yes.
- 4.10 Probable Impact on Socio-Economic activity.**
Per capita income of the people in the project area is increased from increased agricultural and fisheries activity. As a result socio-economic balance in the locality is enhanced.
- 4.11 Impact on environment**
Environmental enhancement is achieved through the implementation of the project.
- 4.12 Sustainability of the project**
The project is sustained but requires periodic maintenance.
- 4.13 Contribution to poverty alleviation/reduction**
The project has direct contribution and impact on poverty alleviation/reduction.

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

05. **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 calamity	: Several cyclones induced storm surge was occurred during implementation period. But no remarkable problem was observed from that.
Project financing, allocation and release	: N/A.
Design formulation/approval	: N/A.
Project aid disbursement and re-imburement	: N/A.
Mission of the development partners.	: N/A.
Time & Cost Over-run	: N/A.
Project Supervision/Inspection	: N/A.
Delay in Decision	: N/A.
Transport	: N/A.
Training	: N/A.
Approval	: N/A.
Others	: N/A.

06. Remarks & Recommendations of the Project Director:

The Project is Honorable Prime Minister's committed project. During her visit to Barguna on 06-05-2010, she made commitment for this project in a public meeting. After that a CCTF project proposal was formulated for the committed works. But that didn't see light due to fund crisis. After that MoWR & BWDB took initiatives to take a project in GoB financing. This project is the output of that initiatives.

The main objective of the project is to make avail sufficient amount of non-saline water inside different polders of Barguna district in order to ensure augmented agricultural activity of vast arable agricultural lands under polders and provide adequate drainage facility in order to ensure safety of public and private properties from water logging by execution of 399.54 km canal re-excavation and required number of regulators repair work. The project protected the area from excessive salinity and resulting adequate amount of non-saline water caused positive impact on agricultural and fisheries activity in the area. In addition, physical safety and sense of security among the people have been achieved from safety of protection from water logging, resulting in enhanced investment in housing and commercial buildings, enhanced investment in business and development work. All these deeds 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 increased agricultural and fisheries activity.

The commencement and completion of the project is schedule to be accomplished in 2017-2018 to 2020-2021 as per approved DPP (1st Revised) and accordingly implementation completion has been achieved though the project work started from 2018-19.

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-5: Achieve gender equality and empower all women and girls, Goal-11: Make cities and human settlements inclusive, safe, resilient and sustainable, 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 canal re-excavation in entire country. There are several others Development Goals of Bangladesh 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.

During the implementation of this project, members of different committees & monitoring authorities visited project site and gave their opinions which has help implementation of the project within project period. Project was implemented properly following respective design, drawing and specification. The volume and specification of excavated quantities. were ensured by Task force committee of BWDB along with representative of Institute of Water Modelling and concerned officials of BWDB.

After successful implementation of this project, the non-saline water for irrigation has been availed, resulting in enhanced agricultural and fisheries activity in the area. The socio-economic condition of the people has been improved. Scope of new jobs & works has been created. The safety of human livelihood and properties have also been improved.

Recommendation: Proper Monitoring and regular maintenance of the implemented works are required for more sustainability of the project.


11/08/2021
(Majibur Rahman)
Project Director

&
Superintending, Patuakhali WD Circle,
BWDB, Patuakhali.

Date

07. Remarks/ Comments of Agency Head.

The project has been taken up based on a commitment made by the Honorable Prime Minister during her visit to Barguna in 2010. Implementation of this project has enhanced the water carrying capacity of the canals. This way sufficient amount of freshwater has been ensured inside different polders of Barguna district to meet agricultural demands. Enhanced drainage facility has ensured the safety of public and private properties from waterlogging in polder areas. Crop yields inside polders have been increased than in pre-project conditions. The project has been implemented largely during Covid-19 pandemic conditions and still it has been managed to be completed in due time.

Date.....

Signature and Seal


02/02/2022
(FAZLUR RASHID)
Director General
BWDB, Dhaka.

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

Date.....

Signature and Seal.

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পানি সম্পদ মন্ত্রণালয়

“বরগুনা জেলার উপকূলীয় পোল্ডারসমূহে সেচ কাজের
জন্য খাল পুনঃখনন” (১ম
সংশোধিত) প্রকল্পের
মধ্যবর্তী মূল্যায়ন প্রতিবেদন।

নভেম্বর, ২০২০

১.০১ মূল্যায়নের পটভূমি:

পানি সম্পদ মন্ত্রণালয়ের আওতায় বাংলাদেশ পানি উন্নয়ন বোর্ড কর্তৃক বাস্তবায়নাধীন “বরগুনা জেলার উপকূলীয় পোন্ডার সমূহে সেচ কাজের জন্য খাল পুনঃখনন (১ম সংশোধিত)” প্রকল্পটি গত ০৩-০৪-২০১৮ তারিখে অনুষ্ঠিত একনেক সভায় অনুমোদিত হয়। প্রকল্পটির প্রাক্কলিত ব্যয় ৬১৩৩.৪৪ লক্ষ টাকা (সম্পূর্ণ জিওবি) এবং বাস্তবায়নকাল এপ্রিল/২০১৮ হতে জুন/২০২০ পর্যন্ত। পরবর্তীতে সংশোধিত হয়ে প্রকল্প ব্যয় দাঁড়ায় ৬১১৭.৯২ লক্ষ টাকা এবং বাস্তবায়নকাল এপ্রিল/২০১৮ হতে জুন, ২০২১ পর্যন্ত।

২.০১ ডিপিপি অনুসারে গঠিত মধ্যবর্তী মূল্যায়ন কমিটির গঠন ও কার্যপরিধি:

কমিটির গঠন:

ক্রমিক	কমিটির সদস্য/প্রতিনিধি	কমিটিতে অবস্থান
০১.	জনাব মনু কুমার বিশ্বাস, অতিরিক্ত সচিব (পরিকল্পনা), পানি সম্পদ মন্ত্রণালয়	আহবায়ক
০২.	জনাব এস এম রেজাউল মোস্তফা কামাল (উন্নয়ন-২), পানি সম্পদ মন্ত্রণালয়	সদস্য
০৩.	জনাব মোহাম্মদ জৌফিকুল ইসলাম, উপ প্রধান-২, পানি সম্পদ মন্ত্রণালয়	সদস্য
০৪.	জনাব এ কে এম আবুল কালাম আজাদ, উপ-প্রধান (পানি সম্পদ), কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ, পরিকল্পনা কমিশন	সদস্য
০৫.	জনাব নাজমুল ইসলাম ভূঁইয়া (সিনিয়র সহকারী সচিব, উন্নয়ন-৩), পানি সম্পদ মন্ত্রণালয়	সদস্য
০৬.	প্রকল্প পরিচালক, বাপাউবো	সদস্য
০৭.	জনাব মোঃ কাইছার আলম, নির্বাহী প্রকৌশলী, বরগুনা পওর বিভাগ, বাপাউবো, বরগুনা	সদস্য
০৮.	জনাব মীর আবুল হাশেম, নির্বাহী প্রকৌশলী, প্রধান মনিটরিং, বাপাউবো, ঢাকা	সদস্য
০৯.	জনাব সাইফুর রহমান, সিনিয়র সহকারী প্রধান (পানি সম্পদ-২), কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ, পরিকল্পনা কমিশন	সদস্য
১০.	জনাব উপমা আকতার, উপ-পরিচালক, আইএমইডি'র কৃষি, পল্লী উন্নয়ন ও গবেষণা সেক্টর	সদস্য
১১.	জনাব মোঃ আনোয়ারুজ্জামান, পরিচালক, প্রকল্প মূল্যায়ন পরিদপ্তর, বাপাউবো, ঢাকা	সদস্য
১২.	জনাব মোঃ আব্দুল বাছিত, ডিজাইন সার্কেল-১, বাপাউবো, ঢাকা	সদস্য
১৩.	জনাব এম. শান-ই-আলম মিষ্টি (সিনিয়র সহকারী প্রধান-৪), পানি সম্পদ মন্ত্রণালয়	সদস্য-সচিব

8.01 প্রকল্পের সাধারণ তথ্যাবলী:

- (ক) প্রকল্পের নাম : “বরগুনা জেলার উপকূলীয় পোস্তারসমূহে সেচ কাজের জন্য খাল পুনঃখনন”(১ম সংশোধিত)
- (খ) উদ্যোগী মন্ত্রণালয় : পানি সম্পদ মন্ত্রণালয়
- (গ) বাস্তবায়নকারী সংস্থা : বাংলাদেশ পানি উন্নয়ন বোর্ড
- (ঘ) প্রকল্প এলাকা : বরগুনা জেলার বরগুনা সদর, পাথরঘাটা, বামনা, বেতাগী, আমতলী ও তালতলী উপজেলা।
- (ঙ) বাস্তবায়নকাল : বাস্তবায়নকাল এপ্রিল/২০১৮ হতে জুন/২০২১ পর্যন্ত।
- (চ) প্রকল্প অনুমোদনের অবস্থা : প্রকল্পটি ০৩-০৪-২০১৮ তারিখে অনুষ্ঠিত একনেক সভায় অনুমোদিত হয়।
- (ছ) প্রকল্পের অর্থায়ন : সম্পূর্ণ জিওবি অনুদান
- (জ) অনুমোদিত ব্যয় : ৬১১৭.৯২ লক্ষ টাকা
- (ঝ) নভেম্বর, ২০২০ পর্যন্ত ক্রমগুঞ্জিত ব্যয়: ৪২৪৯.৪৬ লক্ষ টাকা।

৫.০১ প্রকল্পের উদ্দেশ্য:

- (ক) বরগুনা জেলার বামনা, পাথরঘাটা, বেতাগী, তালতলী ও বরগুনা সদর উপজেলায় বাপাউবোর পোস্তারসমূহের অভ্যন্তরে আবাদী জমিতে সেচের পানি সংস্থান ও পোস্তার অভ্যন্তরে জীব বৈচিত্রের উন্নয়নের মাধ্যমে পরিবেশের উন্নয়ন।
- (খ) প্রকল্প এলাকায় শস্য নিবিড়তা ২৭% বৃদ্ধি (বর্তমান ২১৮.০০% হতে ২৪৫.০০%) এবং ১৩৫৯৬৩.০০ মেট্রিক টন খাদ্যশস্য অতিরিক্ত উৎপাদিত হবে।
- (গ) পোস্তার অভ্যন্তরে নৌচলাচল সুবিধার উন্নয়ন।
- (ঘ) খামার আয় বৃদ্ধি এবং কৃষিকাজে সেচ সুবিধা বৃদ্ধি।
- (ঙ) স্বচ্ছ ও মিষ্টি পানির সফিক্তির মাধ্যমে প্রাকৃতিক পরিবেশের ভারসাম্য রক্ষা।
- (চ) সেচ সুবিধা সম্প্রসারণের ফলে বেশী ফসল উৎপাদন ও অন্যান্য আয়ের (মৎস্য, সবজি চাষে) মাধ্যমে কৃষকের আয় বৃদ্ধি ও নতুন কর্মসংস্থান সৃষ্টি।
- (ছ) পোস্তার অভ্যন্তরে খালসমূহে পানি সংরক্ষণের মাধ্যমে প্রাকৃতিক পরিবেশের উন্নয়ন ও গৃহস্থালী প্রয়োজনে পানি সংস্থান।
- (জ) প্রাকৃতিক পরিবেশের উন্নয়ন ও জীববৈচিত্রের বিশেষ করে জলজ প্রাণীকুলের সংরক্ষণ ও উন্নয়ন।

৬.০১ প্রকল্পের প্রধান প্রধান কার্যক্রম:

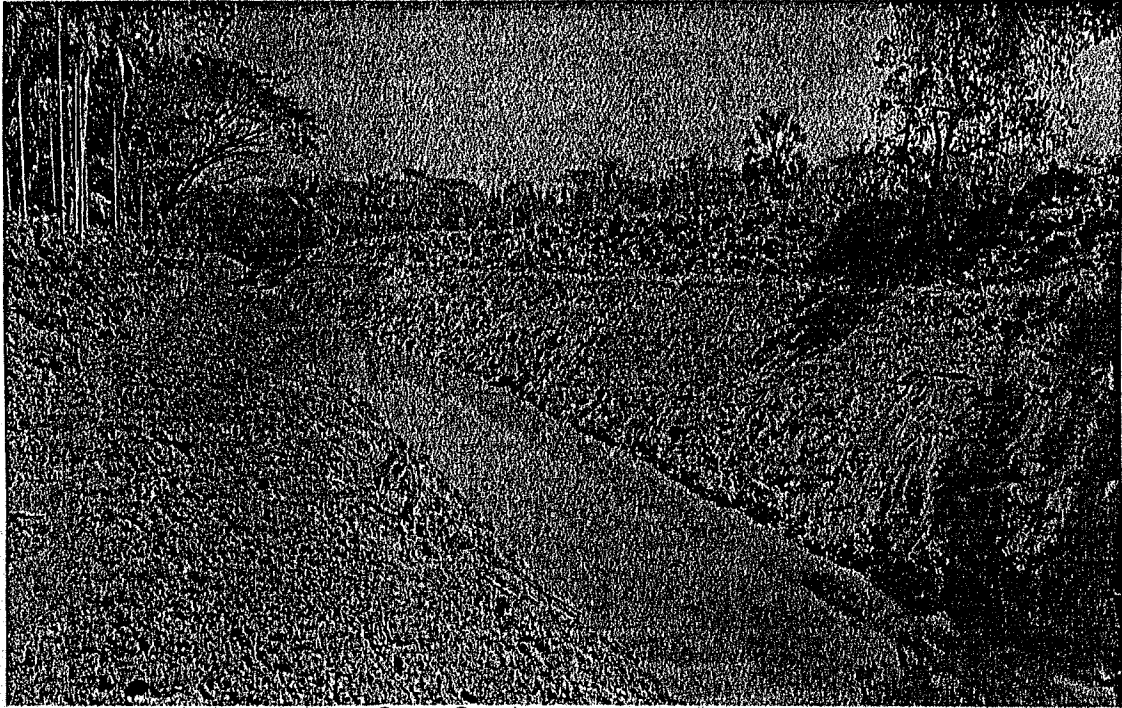
- ক) খাল পুনঃখনন ১৫৮টি(শ্রমিকের দ্বারা) : ১১৯.৮৬ কিঃমিঃ

৪১১১৩১০	খাল পুনঃখনন ১৫৮টি আংশিক (এফাভেটর দ্বারা) : ২৭৯.৬৮কিমিঃ। মাটির কাজ ৩০.৩২ লক্ষ ঘন মিটার(৭০৮১)	৩৪৮৯.৭২	৩৪৮৯.৭২			
৪১১১৩২২	মুইস মেরামত ও রক্ষনাবেক্ষন ২৬টি (পূর্ত মেরামত) (৭০৮১)	৫১৩.৫৮	৫১৩.৫৮	৩২.৪২%	১৬৬.৫১	০
৪১১১৩২২	মুইস মেরামত ও রক্ষনাবেক্ষন (যান্ত্রিক মেরামত) ১৬ টি (৭০৮১)	৮৫.৫০	৮৫.৫০	০.০০%	০	০
	উপমোট (খ) =	৬০৭২.৯২	-	৬০৭২.৯২	৬৯.৬১%	৪২২৭.৪৯
	গ) ফিজিক্যাল কন্ট্রোল	৫.০০	-	৫.০০	-	-
	ঘ) প্রাইস কন্ট্রোল	৫.০০	-	৫.০০	-	-
	সর্বমোট (ক+খ+গ+ঘ) =	৬১১৭.৯২	-	৬১১৭.৯২	৬৯.৫৪%	৪২৫৪.৪৬

৯.০। প্রকল্পের মূল কাজের অগ্রগতির বিবরণ:

৯.১। খাল/নদী পুনঃখনন কাজ (৩৯৯.৫৪০ কিঃমিঃ) :

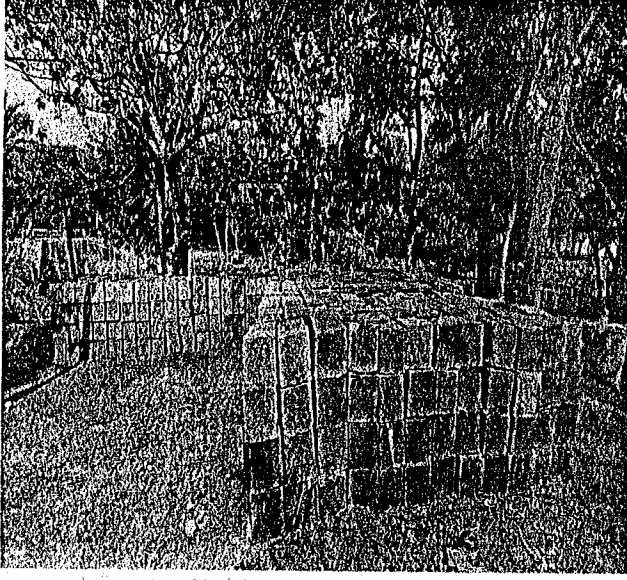
অনুমোদিত ডিপিপি অনুযায়ী ৫৪৬৩.৮৪লক্ষ টাকা ব্যয়ে ৩৯৯.৫৪০কিমি খাল পুনঃখননের সংস্থান রয়েছে। ৩৯৯.৫৪০কিমি খাল মোট ৮ টি প্যাকেজে আওতায় বিভক্ত, সবগুলো প্যাকেজের দরপত্র আহবান পূর্বক কার্যাদেশ প্রদান করা হয়েছে। নভেম্বর ২০২০ পর্যন্ত মোট ৩৯৯.৫৪ কিমি এর মধ্যে ৩১০.৪৭০ কি.মি. খাল খনন সম্পন্ন হয়েছে। বর্তমানে সবগুলো প্যাকেজের পঞ্জিত বাস্তব অগ্রগতি ৭৭% ও আর্থিক অগ্রগতি ৭৪.১৬ যা ২০১৯-২০২০ অর্থ বছরের লক্ষমাত্রার তুলনায় বেশি। ডিপিপি অনুযায়ী খাল পুনঃখনন কাজ জুন, ২০২১ এ সমাপ্ত হওয়ার কথা। নির্ধারিত সময়ের মধ্যেই সবগুলো প্যাকেজের কাজ সমাপ্ত হবে বলে সংশ্লিষ্ট প্রকল্প পরিচালক ও প্রকল্প সংশ্লিষ্ট অন্যান্য কর্মকর্তাগণ জানান। প্রকল্প পরিচালক আরো জানান ইতিমধ্যেই সবগুলো প্যাকেজের বর্তমান অর্থ বছরের মোবাইলাইজেশন সম্পন্ন হয়েছে এবং ৩ টি প্যাকেজের কাজ শুরু হয়েছে।



চিত্রঃ জালিয়াঘাটা খাল পুনঃখনন কাজ।

৯.২। স্লুইস মেরামত ও রক্ষণাবেক্ষণ (পূর্ত মেরামত) : ২৬টি।

- ১) অনুমোদিত ডিপিপি অনুযায়ী ৫১৩.৫৮ লক্ষ্য টাকা প্রাক্কলিত ব্যয়ে ৩ টি প্যাকেজের আওতায় ২৬টি স্লুইস মেরামত ও রক্ষণাবেক্ষণ (পূর্ত মেরামত) এর সংস্থান রয়েছে। উক্ত ২৬ টি স্লুইসে মোট ৭২৮৭৮ টি সি.সি. ব্লকের সংস্থান রয়েছে ইতিমধ্যে ৪২১৫৯ টি তৈরি হয়ে গেছে। বাকি সবগুলো স্লুইসে কাজ চলমান রয়েছে। বর্তমানে সবগুলো প্যাকেজের পুঞ্জীভূত বাস্তব অগ্রগতি ৪০% ও আর্থিক অগ্রগতি ৩২.৪২%। ডিপিপি অনুযায়ী কাজ জুন, ২০২১ এ সমাপ্ত হওয়ার কথা। নির্ধারিত সময়ের মধ্যেই সবগুলো প্যাকেজের কাজ সমাপ্ত হবে বলে সংশ্লিষ্ট প্রকল্প পরিচালক ও প্রকল্প সংশ্লিষ্ট অন্যান্য কর্মকর্তাগণ জানান। এ অংশের কাজের বাস্তবচিত্র নিম্নরূপ:



চিত্রঃ জেলখানা স্লুইস মেরামত ও রক্ষণাবেক্ষণ (পূর্ত মেরামত) কাজ।

চিত্রঃ আয়লা স্লুইস মেরামত ও রক্ষণাবেক্ষণ (পূর্ত মেরামত) কাজ।

১০.০১ প্রকল্প পরিচালক সম্পর্কিত তথ্যাদি :

প্রকল্প পরিচালকের নাম	পদবী	দায়িত্বের প্রকৃতি
মজিবুর রহমান	তত্ত্বাবধায়ক প্রকৌশলী	অতিরিক্ত দায়িত্ব

১১.০১ প্রকল্পের বিভিন্ন কার্যক্রম পরিদর্শন ও পর্যবেক্ষণ :

গত ১৯-২০ নভেম্বর, ২০২০ তারিখ মূল্যায়ন কমিটির সদস্যগণ প্রকল্প এলাকা সরেজমিন পরিদর্শন করেন। পরিদর্শনকালে তারা প্রকল্পের প্রধান কম্পোনেন্ট খাল পুনঃখনন স্লুইস মেরামত ও রক্ষণাবেক্ষণ কাজের বাস্তব অগ্রগতি পরিদর্শন করেন। প্রকল্পটি বরগুনা জেলার, বরগুনা সদর, পাথরঘাটা, বামনা, বেতাগী, আমতলী ও তালতলী উপজেলায় বাস্তবায়িত হচ্ছে। পরিদর্শনে দেখা যায় যে, ১৫৮টি খাল পুনঃখনন শ্রমিকের দ্বারা ১১৯.৮৬ কিঃমিঃ, এক্সভেটর দ্বারা ২৭৯.৬৮ কিঃমিঃ, ২৬টি স্লুইস মেরামত ও রক্ষণাবেক্ষণ (পূর্ত মেরামত) ও ১৬টি স্লুইস মেরামত ও রক্ষণাবেক্ষণ (যান্ত্রিক মেরামত) কাজ বাস্তবায়িত হচ্ছে। পরিদর্শনে প্রাপ্ত পর্যবেক্ষণসমূহ নিম্নরূপ:

জনাব আবু জাফর মোঃ আলমগীর, উপ বিভাগীয় প্রকৌশলী, পাথরঘাটা পওর উপ-বিভাগ, বাপাউবোসহ অন্যান্য কর্মকর্তাগণ উপস্থিত ছিলেন। তাদের সাথে আলোচনা করে জানা যায় যে, প্রকল্পটি বাস্তবায়নের ফলে প্রকল্প এলাকায় আগাম বন্যা প্রতিরোধ, খাল পুনঃখনন এবং নিষ্কাশণ ও সেচ সুবিধা প্রদানের মাধ্যমে ফসল উৎপাদন বৃদ্ধি করা সম্ভব হয়েছে এবং প্রকল্পটি নির্ধারিত সময়ের মধ্যেই সমাপ্ত হবে।

১৪.০ প্রকল্পের মাধ্যমে প্রাপ্ত উপকারিতা :

১৪.১ আর্থ সামাজিক প্রভাব :

প্রকল্পটি মূলতঃ গ্রহণ করা হয়েছিল প্রকল্প এলাকা বরগুনা জেলার বরগুনা সদর, পাথরঘাটা, বামনা, বেতাগী, আমতলী ও তালতলী উপজেলায় খাল পুনঃখনন এবং নিষ্কাশণ ও সেচ সুবিধা প্রদানের মাধ্যমে ফসল উৎপাদন বৃদ্ধিসহ দু-ফসলী জমিতে তিন ফসলী ফসল উৎপাদন সম্ভব হয়েছে। জেলার ৬টি উপজেলাতেই ইতোমধ্যে ৩১০ কিঃমিঃ খাল পুনঃখনন কাজ সমাপ্ত হয়েছে। এতে ব্যাপক কর্মসংস্থানের সৃষ্টি হয়েছে। ফলে এলাকার বেকারত্ব কিছুটা হলেও লাঘব হয়েছে। ফলে প্রকল্প বাস্তবায়নের ফলে ফসল উৎপাদন বৃদ্ধির মাধ্যমে আর্থিক স্বচ্ছলতা বৃদ্ধি পেয়েছে এবং সর্বোপরি সামাজিক বন্ধন পূর্বের চেয়ে অনেক দৃঢ় হয়েছে।

১৪.২ পরিবেশগত প্রভাব :

আপাতদৃষ্টিতে প্রকল্প এলাকায় এ পর্যন্ত উক্ত প্রকল্প বাস্তবায়নের কারণে পরিবেশের উপর কোন ঋণাত্মক প্রভাব পরিলক্ষিত হয় নি। তবে যেকোন উন্নয়ন প্রকল্প বাস্তবায়িত হলেই পরিবেশের উপর তার কোন না কোন প্রতিক্রিয়া অনুভূত হবে। এ বিষয়ে একটি EIA করা যেতে পারে।

১৫.০ সুপারিশ:

১৫.১। মাছ শিকারের জন্য খালে প্রতিবন্ধকতা সৃষ্টিকারীদের ব্যাপারে জেলা পানি সম্পদ উন্নয়ন ও ব্যবস্থাপনা কমিটির সভায় আলোচনাপূর্বক তাদের বিরুদ্ধে ব্যবস্থা গ্রহণসহ প্রতিবন্ধকতা অপসারণ করা যেতে পারে।

১৫.২। প্রকল্পের অধিকতর সফলতা পেতে প্রকল্প এলাকার খাল/নদীসমূহ পর্যায়ক্রমে ও সমন্বিতভাবে পুনঃখনন করতে হবে। এজন্য প্রকল্প সংশ্লিষ্ট কর্মকর্তাগণের আরো আন্তরিক হওয়া প্রয়োজন। খালের খননকৃত মাটি নির্দিষ্ট দূরত্বে রেখে ফ্রেসিং করে দেয়া প্রয়োজন।

১৫.৩। প্রকল্পের আওতাভুক্ত নয় এমন ডরাত খাল সমূহ ভিন্ন ভিন্ন প্রকল্পের (৬৪' জেলা খাল পুনঃখনন (২য় পর্যায়) শীর্ষক প্রকল্প) মাধ্যমে খনন করা যেতে পারে।

১৫.৪। অতি সত্ত্বর প্রকল্পের পূর্ভ/বাপাউবো অডিট সম্পন্ন করার বিষয়ে প্রকল্প সংশ্লিষ্ট কর্মকর্তাগণ কর্তৃক প্রয়োজনীয় ব্যবস্থা গ্রহণ করতে হবে।

১৫.৫। প্রকল্পটি বর্তমান অর্থবছরে সমাপ্ত হওয়ার কথা বিবেচনায় রেখে অসম্পন্ন কাজ দ্রুত সময়ে শুরু করে নিবিড় তত্ত্বাবধানের মাধ্যমে সমাপ্ত করতে হবে। এ বিষয়ে প্রকল্প সংশ্লিষ্ট কর্মকর্তাদের আরো সক্রিয় ভূমিকা পালন করতে হবে।

