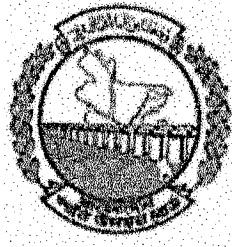


BANGLADESH WATER DEVELOPMENT BOARD



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

Name of the Project: Construction of Combined Water Control Structure over Punarbhaba River for Supplementary Irrigation during Drought at Gouripur under Sadar Upazila in Dinajpur District. (2nd Revised).

PROJECT PERIOD: OCTOBER/2016 TO JUNE/2021.

DIVISION : DINAJPUR O&M DIVISION, BWDB, DINAJPUR.

CIRCLE : THAKURGAON O&M CIRCLE, BWDB, THAKURGAON.

ZONE : NORTHERN ZONE, BWDB, RANGPUR.

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** : Construction of Combined Water Control Structure over Punarbhaba River for Supplementary Irrigation during Drought at Gouripur under Sadar Upazila in Dinajpur District. (2nd Revised).
- 02. Administrative Ministry/ Division** : Ministry of Water Resources (MoWR).
- 03. Executing Agency** : Bangladesh Water Development Board (BWDB).
- 04. Location of the Project** : Upazila – Dinajpur Sadar, District- Dinajpur.
- 05. Object of the Project** :
- To increase crop production by bringing about 3600 hectares of land in Dinajpur Sadar Upazila under cultivation out of gross 4200 hectares of cultivable land in project area.
 - Ensuring availability of potable water and irrigation water in deep tube wells by increasing the height of ground water table in the project area
 - Preventing the emergence of arsenic by reducing the difference in water level.
 - Development of communication system of Dinajpur Sadar with Biral Upazila through construction of bridge (Road length of Biral Upazila with Dinajpur will be reduced by about 16 km)
 - To increase fish farming of native species in rivers and tributaries.

06. Estimated Cost:

(In Lakh Taka)

	Original	1st Revised	Latest Revised (2nd)
a) Total	4756.81	5111.28	6296.80
b) Taka	4756.81	5111.28	6296.80
c) Foreign Currency	-		-
d) Project Aid	-		-
e) RPA	-		-

07. Date of Approval :

PCP	PP
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- a) Original : 09-01-2017
- b) 1st Revised : 03-07-2018
- b) Latest Revised (2nd) : 02-04-2021

08. Implementation period :

	Date of Commencement	Date of Completion
a) Original	October, 2016	June, 2019
b) 1 st Revised	October, 2016	June, 2020
c) No cost time extension	October, 2016	June, 2021
d) Latest Revised (2nd)	October, 2016	June, 2021
e) Actual	October, 2016	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	
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
6296.80	-	6296.80	-

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
October/2016 to June/2019	October/2016 to June/2021	October/2016 to June/2021	72.73%	Due to severe flood of 2019 & 2020, the under construction combined water control structure was damaged. To repair that, DPP needed a 2 nd revision. For that reason, additional time was required to complete the project in the pandemic breakout situation.

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	4756.81	6296.80	6247.00	31.33%	Due to flood of 2019, 2020 & covid-19 the project was damaged sereiously and to repair the damaged portions project cost increased.
Taka	4756.81	6296.80	6247.00	31.33%	
PA	-	-	-	-	

03. Project Personnel: Project work has been completed by the existing manpower of Dinajpur O&M Division, BWDB, Dinajpur.

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)						
Staff(s)						
Total						

..... Nil

04. Training of project Personnel (Foreign/Local): No Provision 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:						
Supplies and Services:						
Petrol & Lubricant	LS	6.00	1 item	6.00	1 item	
Stationery, Seal & Stamps	LS	6.00	1 item	5.96	1 item	
Mid Tern Evaluation	LS	10.00	1 item	8.82	1 item	
Honorarium for PSC, PIC etc	LS	8.00	1 item	6.68	1 item	
Survey & investigation	LS	5.00	1 item	4.99	1 item	
Repair of Vehicle	LS	3.50	1 item	3.49	1 item	
Repair of Inspection Banglow	LS	3.00	1 item	3.00	1 item	
Sub-total Revenue Component (A) :		41.50		38.94		

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:						
Computer/Laptop with Laser Printer	Nos	1.50	2	1.50	2	
Jeep (Pragoti, 2350 CC, 5 Doors, 4WD)	Nos	91.54	1	91.54	1	
Motor Cycle (125 CC)	Nos	1.80	1	1.80	1	
Land Acquisition	Hac.	100.00	1.89	100.00	1.89	
Construction of Combined Water Control Structure {4 Vent Regulator (6.0m x 6.5 m) +92.0 m Weir}	Nos	5580.31	1	5545.47	1	
Construction of Connecting Road	Meter	154.30	500	154.16	500	
Construction of Bank Revetment work	Meter	315.85	300	313.59	300	
Sub-total Capital Component (B) :		6245.30		6208.06		
Physical Contingency(C):	LS	5.00	1 item	-	-	
Price Contingency(D):	LS	5.00	1 item	-	-	
Total (A+B+C+D) :		6296.80	100.00%	6247.00	100.00%	

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. Iqbal Hossain Superintending Engineer 50000-71200	Full	-	No	16/03/2017	05/12/2017	
Mr. Md. Mahbubar Rahman Superintending Engineer 50000-71200	Full	-	No	28/12/2017	17/08/2020	
Syed Shahidul Alam Superintending Engineer 50000-71200	-	Part	No	17/08/2020	05/11/2020	
Mr. Md. Mukhlesur Rahman Superintending Engineer 50000-71200	Full	-	No	28/01/2021	Till 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
Jeep (Pragoti, 5 Doors)	1 no	26/06/2019	-	Dinajpur O&M Division, BWDB, Dinajpur 26/06/2019	-	Being used by Chief Engineer, Northern Zone, BWDB, Rangpur.
Motor Cycle	1 no	25/07/2017	-	Dinajpur O&M Division, BWDB, Dinajpur 25/07/2017	-	Being used by one Sub-Assistant Engineer for inspection and maintenance of the project.




08. Procurement of Goods, Works and Consultancy Service.

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

Description of procurement (goods/work/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 DPP	Contract value	Invitation date	Contract signing/LC opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of combine water control structure [4-vent Regulator (6.00m x 6.50m) + 92m Weir with road bridge] over Punarbhaba river at Gouripur (at Km 65.00) in Upazila Sadar, District Dinajpur.	Original 40.68 2 nd revised 55.80	55.79	25/01/2018	22/04/18	30/06/2019	20/06/2021
Bank Protection work from km 64.900 to km 64.950 and from km. 65.050 to km. 65.150 at left bank & right bank (=300m).	Original 2.91 2 nd revised 3.16	3.14	15/02/2018	23/04/18	30/06/2019	25/06/2021
Construction of Approach/ connecting Road from km 0.00 to km 0.125 and from km 0.245 to km 0.620 (=500m) in c/w Construction of Gouripur water Control Structure.	Original 1.71 2 nd revised 1.54	1.54	15/02/2018	26/07/18	25/06/2019	25/06/2021

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:**01. (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
2016-17	200.00	200.00	-	4.20%	99.96	99.96	-	1.59%
2017-18	2293.50	2293.50	-	48.22%	134.52	134.52	-	2.14 %
2018-19	2263.31	2263.31	-	47.58%	2951.48	2951.48	-	46.87 %
2019-20	-	-	-	-	379.04	379.04	-	6.02 %
2020-21	-	-	-	-	2731.80	2731.80	-	43.38%
Total	4756.81	4756.81	-	100.00%	6296.80	6296.80	-	100.00%

01. (b) Revised ADP allocation and progress:

(In Lakh Taka)

Financial year	Revised Allocation & Target				Taka release	Expenditure & physical progress.			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2016-17	100.00	100.00	-	1.59%	100.00	99.95	99.95	-	1.59%
2017-18	500.00	500.00	-	2.14%	500.00	134.52	134.52	-	2.14%
2018-19	3000.00	3000.00	-	47.64%	3000.00	2951.47	2951.47	-	46.87%
2019-20	751.00	751.00	-	7.63%	750.00	379.04	379.04	-	8.40%
2020-21	2732.00	2732.00	-	41.00%	2721.74	2682.02	2682.02	-	41.00%
Total	7083.00	7083.00	-	100.00%	7071.74	6247.00	6247.00	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a) To increase crop production by bringing about 3600 hectares of land in Dinajpur Sadar Upazila under cultivation out of gross 4200 hectares of cultivable land in project area.	Crop production in the project area has been increased. About 3600 hectares of land in the project area has been brought under irrigation coverage.	No shortfall
(b) Ensuring availability of potable water and irrigation water in deep tube wells by increasing the height of ground water table in the project area.	Availability of potable water and irrigation water in deep tube wells in the project area has been ensured.	
(c) Preventing the emergence/appearance of arsenic by reducing the difference in water level.	The emergence/appearance of arsenic has been prevented by reducing the difference in water level.	
(d) Development of communication system of Dinajpur Sadar with Biral Upazila through construction of bridge (Road length of Biral Upazila with Dinajpur will be reduced by about 16 km)	Communication system of Dinajpur Sadar with Biral Upazila has been development by reducing road length of Biral Upazila with Dinajpur by about 16 km through construction of bridge.	
(e) To increase fish farming of native species in rivers and tributaries.	Fish farming of native species in rivers and tributaries has been increased.	

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
Irrigation Coverage Extention	Ha	3600.00	It will be assesed after 1st year irrigation period.
Annual incremental paddy production	Mt	13819.32	It will be assesed after 1st year irrigation period.

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	1.58:1.00	
(ii) Economic	1.72:1.00	
(2) Internal rate of return		
(i) Financial	20.90%	
(ii) Economic	23.03%	

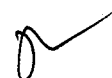
03. Please give reason for shortfall, if any, between the estimated and actual benefit: No Shortfall.

F. MONITORING AND AUDITING.

01. Monitoring:

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry / Agency :			
Zaheed Farooque, MP Honourable State Minister, MoWR.	26/09/2020	Not found	Damaged Portion of the structure have to be repaired immediately and revised DPP have to be submitted including the cost of damaged portion.
Kabir Bin Anwar Senior Secretary, MoWR.	01/05/2021	Not found	Physical works should be completed within stipulated time.
A.M Aminul Haque DG, BWDB.	26/09/2020	Not found	Quality of construction materials should be ensured.
Mahmudul Islam Additional Secretary(Dev), MoWR.	12-06-2020 30-08-2020	Not found	1. Project should be completed within stipulated time. 2. Damaged Portion of the structure due to flood have to be repair with the advise of design engineer's, of BWDB.
Alam ara Begum Additional Secretary(Admin), MoWR.	28-02-2021 06-06-2021	Not found	1. Physical works have to be completed within 30 June, 2021. 2) The progress of project must be ensured with specific work plan.
Mantu Kumar Biswas Joint Chief, MoWR.	09-11-2019 21-12-2019	Not found	Quality of materials should be ensured and works should be completed within time.
Md. Habibur Rahman ADG (West Region), BWDB	27-12-2019	Not found	Project should be completed within stipulated time.
Md. Motaheer Hossain ADG (Planning), BWDB.	28-01-2021	Not found	Physical works have to be completed following approved design and quality of works have to be maintained.
Fazlur Rashid Chief Engineer, Planning, BWDB.	26/09/2020	Not found	Quality of construction materials should be ensured.
Abu Usuf Mohammad Rasel Senior Assistant Chief, MoWR.	08-02-2019 16-03-2019	Not found	The quality and progress of project must be ensured.
Mir Mosharraf Hossain Chief Engineer, Rangpur, BWDB.	15-02-2019	Not found	Quality of construction materials should be ensured.
Jyoti Prosad Ghosh Chief Engineer, Northern Zone, BWDB, Rangpur.	26/09/2020 16-05-2021	Not found	Physical works should be completed within stipulated time and Quality of construction materials should be ensured.
Md. Mahbubar Rahman PD & Superintending Engineer, Thakurgaon O&M Circle, BWDB, Thakurgaon.	08-03-2019 11-05-2020 07-06-2020	Not found	Quality of construction materials should be ensured and concerned field personnel have to monitor the progress.
Syed Shahidul Alam Superintending Engineer, Thakurgaon O&M Circle, BWDB, Thakurgaon.	20-08-2020 26/09/2020	Not found	Quality of construction materials should be ensured.
Md. Mukhlesur Rahman PD & Superintending Engineer, Thakurgaon O&M Circle, BWDB, Thakurgaon.	10-03-2021 26-04-2021 16-05-2021	Not found	The quality and progress is to be ensured by regular monitoring by concerned field personnel.
(b) IMED :			
Md. Mahmudul Hasan DD, IMED.	4-12-2019 24-11-2020	Not found	1. Physical works should be completed within stipulated time following approved design. 2. Quality of construction materials should be ensured. 3. Proper compaction and curing of CC block have to be ensured. 4. Field officials presence have to be ensured during physical works.
(c) Others (Please specify) :			
Deputy Commissioner, Dinajpur.	12-10-2018	Not found	Physical works should be completed within time.

The mid-term evaluation committee visited the project on 21 December, 2019.




02. Auditing during and after Implementation:

2.1. Internal Audit: Not Conducted.

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

2.2. External Audit:

Audit Period	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
2018-19	01-03-2019	Title: Government's loss of VAT due to not insuring by the contractor for the contracted work is Tk. 8,70,30,372/- (Eight Crore Seventy Lac Thirty Thousand Three Hundred Seventy Two). Details: Executive Engineer, Dinajpur O&M Division, Bhola-1, Khulna-1, Chandpur, Cox's Bazar, Habiganj, Dalia Nilphamari, Gaibandha, Jamalpur, Kurigram, Lalmonirhat, Nilphamari, Rangpur, Syedpur, Thakurgaon, Faridpur, Rajshahi Satkhira-1, Satkhira-2, Jhenaidah, Bera Pabna, Natore, Joypurhat and Bogra offices audit during the financial year 2018-2019, it was seen that the government revenue of Tk. 8,70,30,372/- (Eight Crore Seventy Lac Thirty Thousand Three Hundred Seventy Two) was lost. The tender documents, contracts and related records of the contract work are reviewed. According to GCC and PCC Clause-37 of the tender document, the contractor is required to insure on various risks. However, in the case in question, the condition was not complied with by the contractor. Moreover, no action has been taken by the local supervisory authority to ensure that the insurance conditions are not complied with by the contractor. Therefore, despite being in GCC and PCC, the government has incurred revenue loss of VAT due to not insuring. The cause of the irregularity: Violation of GCC and PCC clause-37 of the agreement.	Answer is submitted through Competent Authority and resolve of the objection is under process.

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background

The Punarbhaba river flows through the west of Dinajpur city, the Gorbheshwari river coming out of Atrai in the east and the Dhepa river in the north. The Dhepa River later merged with the Punarbhaba River at Rajaparaghat in Dinajpur Sadar Upazila and took the name Punarbhaba and flowed through the western part of the city and entered India through a place called Sundara in Sadar Upazila. The Punarbhaba River dries up towards the end of winter, posing a serious threat to its ecosystem and biodiversity. During the dry season, water level fall down. As a result, uses of ground water by deep tube well increase for the irrigation purpose. Hence, groundwater level of the area is decreasing day by day and the greater Dinajpur district suffers from desertification. In that context, to assess the availability of water resources and identify future development potential through optimum utilization of available water resources a study was done by IWM and as per recommendation of study this project has been formulated. Upon completion of the project, due to accumulation of water in the river upstream of the project throughout the year, the farmers will use the surface water for irrigation through various canals in the project area, thereby increasing agriculture and fisheries production, on the other hand increasing the water level through groundwater recharge.

1.2 Justification/Adequacy:

Development in water resources including irrigation, flood control and drainage improvement has played significant roles in increasing agricultural production and food security in the past and this would continue. Socio-economic development and poverty reduction remain the over-riding development priority for an under-developed area like this project area. The project aims to facilitate the project area by providing irrigation which will help to achieve optimum agricultural production and enhancement of socio-economic activities for local dwellers. During dry season surface water is very scarce in the project area. Therefore, people within the project area are to depend on the ground water source for irrigation and other purpose.

The Punarbhaba is a very important river for Dinajpur district. Removal of drainage congestion in the rainy season and supplementary irrigation by surface water in the dry season from the Punarbhaba River and it's branch khal would be enormously beneficial in respect of ecology, environment & fisheries as a whole in respect of flora & fauna.

The overall objectives of this project are attaining self-reliance in food grain production, generation of rural employment, poverty alleviation specially for rural poorer section, creation of social & environmental balance and building economic infrastructures for the future generation. When the project is to carry into effect, the agriculture production of the project area will be increased and the utilization of surface water will be increased and at the same time the pressure on ground water utilization will be decreased. At the same time when the project area will face water logging due to heavy rainfall the excess water can be drained out.

1.3. Objectives:

- To increase crop production by bringing about 3600 hectares of land in Dinajpur Sadar Upazila under cultivation out of gross 4200 hectares of cultivable land in project area.
- Ensuring availability of potable water and irrigation water in deep tube wells by increasing the height of ground water table in the project area
- Preventing the emergence of arsenic by reducing the difference in water level.
- Development of communication system of Dinajpur Sadar with Biral Upazila through construction of bridge (Road length of Biral Upazila with Dinajpur will be reduced by about 16 km)
- To increase fish farming of native species in rivers and tributaries.

1.4. Project revision with reasons:

1st Revision:

The project was approved by the Honorable Planning Minister on 09-01-2017 for the period from October 2016 to June 2019 for Taka 4756.81 lakh. Due to increased cost of a Package(Combined water control structure) from the original cost of the package as per DPP, the DPP have been revised for 1st time. On 14-06-2018, the Honorable Minister of the Ministry of Water Resources approved an estimated expenditure of Tk. 5111.28 lakhs (1st Amendment) for the period from October 2016 to June 2020. Due to covid-19 situation implementation period of the project was extended from October 2016 to June 2021.

2nd Revision:

The combined water control structure was damaged in the flood of 2019. Later in 2020, due to the global outbreak of Covid-19, the work could not be completed due to insufficient supply of construction materials and manpower and lack of required stone boulders for dumping. The water level of Atrai and Punarbhaba river gradually increased from 25/06/2020 and started flowing near the danger level. Due to that rising water level, the filled soil on the west side of the infrastructure and the installed CC block washed out and the diversion channel was opened due to the rapid flow of water flowing along the abutment. As a result, a portion of the river water did not flow from north to south upstream of the infrastructure but continued to flow from east to west through the weir. As a result, the soil adjacent to the upstream divide wall and the weir began to scour violently and on the night of 27/06/2020, the upstream divide wall was isolated from expansion joint. In addition, 150 m of the 200 m of river bank protection work of the main structure and 40 m of the 300 m of river bank protection work were damaged and big ditches were made at upstream and downstream of the structure. Later on 26/09/2020, the Honorable State Minister of the Ministry of Water Resources visited the project site. According to his recommendation, the Chief Engineer, Design visited the site on 23/10/2020 and further the Chief Engineer, Design, Superintending Engineer, Design Circle-6, Executive Engineer, Design Circle-6 and Mr. Motahar Hossain, Additional Director General (PRL) visited the project area on 28/12/2020 and 29/12/2020. Subsequently, on 29/12/2020, a review meeting was held in the meeting room of the Chief Engineer, Design on the urgent repair of the damaged part Structure. In view of the decision of the meeting and the realities of the field level, the design engineers formulate the revised design. Beside that A technical committee was formed for the project to prepare the 2nd Amendment DPP. In view of the recommendation of the technical committee 2nd Amendment DPP of the project was formed and the Honorable Planning Minister approved the 2nd Amendment DPP.

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

Bangladesh is a riverine country and there are several small rivers in Dinajpur district. The Punurbhaba is a very important river for Dinajpur. During dry season the farmers of the project area do not get sufficient water for cultivation. Moreover, transportation facility from Birol upazila to Dinajpur Sadar upazila was limited. Considering the above mentioned problem this project was taken in hand.

In this context, there have been growing concern and reassessment of the economic and socio- political benefits of protecting important towns, infrastructure, hats and bazaars as well as agricultural land. The issue has been given due importance in the national planned documents for water sector and prioritized strategic location of river banks have been stressed for phased implementation of drainage and irrigation facility programme at the apex level.

The Present construction work components have been incorporated in the DPP in accordance with approved design & drawing by Design Circle-6 of BWDB at DPP preparation time and on working time, all design of the works reviewed by Design Circle-6 of BWDB on the basis of latest river morphology, location and time.

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

◆ Project Identification:

The project area is located at the South part of Dinajpur District under Dinajpur Sadar Upazila.

Main components of this project are: Construct a Combined Water Control Structure {4 Vent Regulator (6.0m x 6.5 m) +92.0 m Weir}, Construction of 500.00m Connecting Road, Construction of 300.00m Bank Revetment work.

◆ Project Preparation:

To increase crop production in project area, to ensure availability of potable water and irrigation water in deep tube wells, to prevent the emergence of arsenic and to develop communication system of Dinajpur Sadar with Biral Upazila through construction of bridge a Technical Committee was formed by Board Secretariat of BWDB vide its Memo No. 149-WDB(Sec)/Directorate-1/Miscellaneous-3/2002 dated: 22-11-2009. On the Recommendation of the Technical Committee, DPP was furnished.

◆ Appraisal/ PEC Meeting in Planning Commission:

The PEC meeting was held on 14-08-2016 at Planning Commission. As per decision of PEC meeting the DPP was corrected and sent to the Honorable Planning Minister for approval the above project.

◆ 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 the Honorable Planning Minister on 09-01-2017. 1st Revised DPP was approved by the Honorable State Minister of MoWR on 14-06-2018 and 2nd Revised DPP was approved by the Honorable Planning Minister on 02-04-2021.

◆ 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 stack holders 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/rehabilitation works will be accomplished from regular O&M budget of BWDB.

4.4 Impact of the project -

4.4.1 Direct

- Irrigation potentials in the net benefited area of 3600 ha. and gross area of 4200 Ha through construction of Water Control Structure in Punarbhaba River has been increased
- Transport facilities for agricultural productions, fish, a forestation & livestock product etc. has been created.
- Crop yield through reduction of crop damage and switch over from local to HYV paddy cropping under a comprehensive irrigation network by using surface water through construction of proposed irrigation and drainage interventions has been increased.
- availability of potable water and irrigation water in deep tube wells has been increased.

4.4.2. Indirect

- As surface water is used for irrigation, yielding of ground water will be reduced and ground water level will rise.
- Socio-economic condition has improved in the project aea.
- Environmental impact has been mitigated and ecological balance has been established.

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 is Possibility of Self employment as transport facilities for agricultural productions, fish, aforestation & livestock product has been developed and reviewing the existing drainage system of the project area for fish culture, Boro crops and T-Aman cultivation has also been increased.

4.8 Possibility of women-employment opportunity

Yes, there are possibilities of women-employment through the project benefited area enhanced.

4.9 Women's participation in development

Yes.

4.10 Probable Impact on Socio-Economic activity.

By increasing production of crops and developing transport facilities & fish culture, 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.

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	Dockyard & Engineering Works Ltd, a business concern of Bangladesh Navy implemented the combined water control structure of the project through Direct Procurement Method. At times their program wasn't satisfactory. They could have completed the work much earlier. Completion of other packages have directly dependent on completion of this structure.
Manpower	N/A.
Law & Order	N/A.
Natural calamity	The combined water control structure was severely damaged during the flood of 2019 & 2020. To repair that damages, a revised design had to be prepared. The 2 nd revision of the project addresses that issue.
Project financing, allocation and release	N/A.
Design formulation /approval	Revised design required due to flood of 2019 & 2020.
Project aid disbursement and re-imburement	N/A.
Mission of the development partners.	N/A.
Time & Cost Over-run	As mentioned in B1 & B2
Project Supervision /Inspection	N/A.
Delay in Decision	N/A.
Transport	N/A.
Training	N/A.
Approval	N/A.
Others	N/A.

6. Remarks & Recommendations of the Project Director:

The project area is located at the South-West part of Dinajpur Sadar Upazila in Dinajpur District across the Punarbhaba River. The overall objectives of this project is attaining self reliance in food grain production, generation of rural employment, poverty alleviation specially for rural poorer section, creation of social & environmental balance and building economic infrastructures for the future generation. Due to implementation of the project, the agriculture production of the project area is increased and the utilization of surface water is also increased and at the same time the pressure on ground water utilization is decreased.

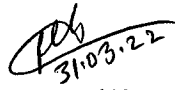
Transportation facility within the project area is increased due to construction of road and bridge. The socio-economic condition of the people has been improved. Scopes of new jobs & works have been created. The project will also contribute to attain national self sufficiency in food grains. These all components will enhance the opportunity of employment and poverty alleviation.

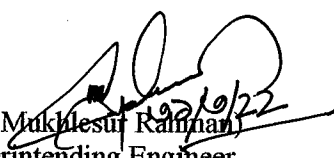
The commencement and completion of the project is schedule to be accomplished in October, 2016 to June, 2021 as per approved DPP (2nd Revised) and accordingly implementation completion has been achieved. BWDB's Taskforce committee has ensured the quality of implemented protective works. During implementation period, high officials from IMED, MoWR & BWDB has visited the project & their observations & recommendations have been complied.

The Project is mainly irrigation project. The project is specifically linked with SDGs (Goal 1, 2, 6, 11 & 12). Incompliance of the above, DPP (2nd Revised) of the project costing Tk.6296.80 Lakh was approved on 02-04-2021 for implementation of a Combined Water Control Structure {4 Vent Regulator (6.0m x 6.5 m) +92.0 m Weir}, Construction of 500.00m Connecting Road, Construction of 300.00m Bank Revetment work. As construction of the project was across the river hence due to flood of 2019 the project was damaged. Later in 2020, due to the global outbreak of Covid-19, the work could not be completed for insufficient supply of construction materials and manpower and lack of required stone boulders for dumping and the project was further damaged in the flood of 2020. Although those complications the project was implemented successfully.

Recommendation: Proper monitoring and regular maintenance of the project should be continued to ensure the sustainability of the project. Otherwise the benefit of the project might be hampered.

Date.....

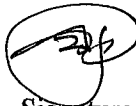

(Md. Rakibul Hasan)
Executive Engineer
Dinajpur O & M Division
BWDB, Dinajpur.


(Md. Mukhlesur Rahman)
Superintending Engineer
Thakurgaon O&M Circle
BWDB, Thakurgaon
&
Project Director

07. Remarks/ Comments of Agency Head.

The project comprises the construction of a combined water control structure (regulator cum weir), connecting road & bank revetment work. It has provided irrigation facilities to a net benefited area of 3600 Ha. The project suffered severely during the monsoon flood of 2019 & 2020 and therefore, it required multiple revisions. After the implementation of the project, the agriculture production of the project area is increased. The project has also increased the utilization of surface water which results in a decrease in the pressure on groundwater utilization.

Date.....

 13.04.2022
Signature and Seal
(FAZLUR RASHID)
Director General
BWDB, Dhaka.

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

The project was successfully completed within stipulated time with construction of combined water control structure, construction of connecting road and construction of bank revetment work. The objectives of the project are to increase the agriculture production of the project area around 3600 hectares of land and increase the utilization of surface water, developing a communication system between Dinajpur Sadar and Biral Upazila. The project is focused on irrigation which is linked with SDGs goal 1, 2, 6 & 12. According to the DPP (2nd Revised) the following components 4 Vent Regulator (6.0m*6.5m) plus 92.0m Weir of Combined Water Control Structure, Construction of 300.00 meter Bank Revetment work and Construction of 500.00 meter Connecting Road are implemented. Proper maintenance and monitoring should be ensured so that the outcome of the project sustains effectively.

Date.....

Signature and Seal.

