RADP-19
2011-12

ADP No- 19

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

Feasibility Study for West Gopalgonj Integrated Water Management Project.

Directorate of Planning-1
BWDB, 6th Floor,
WAPDA BHABAN.
Motijheel C/A, Dhaka.

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 : **Feasibility Study for West Gopalgonj Integrated Water Management Project.**

02. Administrative Ministry/Division : **Ministry of Water Resources**

03. Executing Agency : **Bangladesh Water Development Board**

04. Location of the Project :

Upazilla	District
Gopalgonj Sadar, Kashiani, Muksudpur.	Gopalgonj

04. Objective of the Project :

The main objective of the study project is to find out a sustainable development option for integrated flood and drainages management in the project area.

Specific objectives of the study are as follows:

- To review existing flooding and drainage system of inside and outside the project area.
- To reduce the intensity of flood, damages to crops, properties and human sufferings etc.
- To examine the feasibility of providing full flood control in the project area.
- To review the existing irrigation system.
- To study and suggest possible interventions for surface water availability in the project area.
- To prepare a comprehensive flood management plan for the project area
- To assess the existing drainage problem and to prepare a sustainable drainage plan for the project area.
- To identify the areas to be suitable for fish culture.
- To create irrigation facilities in the dry season.
- To study the current agricultural situation and suggest measures to augment agriculture productivity and accelerating fisheries productivity & other income generation.
- To suggest measures for round the year navigation.
- To study the impact of proposed interventions on the surrounding areas.
- To study for the Environment Impact Assessment (EIA) of the project.
- To study for the Social Impact Assessment (SIA) of the project
- To assess the implemented incomplete projects and to integrate on the proposed project.

06. Estimated Cost :

(In lakh Taka)

	Original	Latest Revised
(a) Total	153.978	153.978
(b) Taka	153.978	153.978
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07.

Date of Approval	:	PCP/PSP	PP
(a) Original	:	09-02-2010 Vide memo no: পাসম/পরি-৩/৮//২০০৯/১৩	
(b) Latest Revised	:	**29-05-2012** **Vide memo no:** পাসম ৪২.০৪১..০১৪.০১.০২৯.২০০৯-৮৯	

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	May,2010	April,2011
(b) Latest Revised	May,2010	June,2012
(c) Actual	May,2010	June,2012

09. 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 Effective -ness	Date of Closing	
						Origina l	Revised
1	2	3	4	5	6	7	8

b) GOB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
153.978	-	153.978	-

9.2 Utilization of Project Aid/Grant (Source wise) : Not applicable

(In million)

Source (s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In US $	In Local Currency	In US $	In Local Currency	In US $	In Local Currency
1	2	3	4	5	6	7

9.3 Re-imbursible Project Aid (RPA) : Not Applicable

(In lakh Taka)

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

B. IMPLEMENTATION POSITION

01. Implementation Period :

Implementation Period as per PP		Actual Implementation period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
May,2010 - April,2011	May,2010 - June,2012	May,2010 - June,2012	-	-

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	153.978	153.978	105.845	N/A	Consultant Signed contract agreement at lower value.
TAKA	153.978	153.978	105.845	-	
PA	-	-	-	-	

03. Project Personnel : (Including BWDB Counterpart)

Sanctioned strength as per PP/PSP	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)	23 nos	-	-	-	160.50 m.m	-
Staff(s)	03 nos	-	-	-		-
Total :	26 nos	-	-	-	160.50 m.m	-

04. Training of Project Personnel (Foreign/Local) :

Field of Training /Study tour/workshop/Seminer etc.	Provision as per PP		Actual		Remarks
	No of person	Man months	No of person	Man months	
1	2	3	4	5	6

a. Foreign : Not Applicable

b. Local : Not Applicable

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

(In lakh Taka)

Sl	Items of work (as per PP/PSP)	Unit	Target (as per PP/PSP)		Actual Progress		Reasons for deviation (±)
			Financial	Physical (Quantity)	Financial	Physical (Quantity)	
	1	2	3	4	5	6	7
1.	Consultancy (4874)	1 Item	150.498	100%	103.161	100%	Consultant signed contract agreement at lower value
2.	Other Allowance (4795)	"	0.48	1 Item	0. 16	1 Item	
3.	TA/DA of BWDB personnel (4801)	"	1.50	"	1.030	"	
4.	Stationary (4828)	"	0.50	"	0.498	"	
5.	O&M of BWDB vechicals & fuel cost (4901)	"	1.00	"	0.996	"	
	Toatal (1-4)		153.978		105.845		

06. Information regarding Project Director (s) :

Name & Designation with pay Scale.	Full time	Part time	Responsible for more than one project	Date of		Remarks
				Joining	Transfer	
1	2	3	4	5	6	7
Md.Azharul Islam Director 25750-1000X8-33750	-	Yes	Yes	29-01-2008	24-01-2011	The Project Director is the Team Leader stationed at Head quarter office in Dhaka.
Md Abdul Mannan Director 25750-1000X8-33750	-	Yes	Yes	25-01-2011	14-03-2011	
Md. Sarafat Hossain Khan Director 25750-1000X8-33750	-	Yes	Yes	15-03-2011	Till Project completion	

07. Procurement of Transport (in Nos.) : Not Applicable

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemned/ damaged with date	Remarks
1	2	3	4	5	6	7
Car						
Jeep						
Microbus						
Minibus						
Bus						
Pick-up						
Truck						
Motor Cycle						
By-cycle						
Speed Boat						
Launch						
Others with name						

08. Procurement of Goods, Works and Consultancy Services:

08.1 Goods & Works of the Project costing above Tk. 200.00 lakh and Consultancy above Tk. 100.00 lakh : **Not Applicable**

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	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7

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

a) **Foreign : Not Applicable**

b) **Local :**

Sl.	Name of the Field	Approved man month		Actual man month utilised	Remarks
		As per PP	As per contract		
	1	2	3	4	5
1.	Team Leader	0	0	0	
2.	Deputy Team leader	12	12	12	
3.	Design Eng.	4	4	4	
4.	Hydraulic Modeller	2	2	2	
	Hydroloigical Modeller	3	3	3	
5.	Morphological Modeller	1.5	1.5	1.5	
6.	Economist	1	1	1	
7.	Agronomist	3	3	3	
8.	Environmentalist	1.5	1.5	1.5	
9.	Socio Economist	1.5	1.5	1.5	
10.	Fesieries Specialist	1	1	1	
11.	Jr. Engineer	8	8	8	
12.	Jr. GIS Specialist	2	2	2	
13.	Jr. Auto CAD Specialist	2	2	2	
14.	Data Analyst	6	6	6	
15.	Field Researcher	4	4	4	
	Total	52.5	52.5	52.5	

09. Construction/Erection/Installation Tools & Equipment : Not Applicable

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

C. FINANCIAL AND PHYSICAL PROGRAMME :

01. (a) Original and revised schedule as per PP/PSP :

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP/PSP				Financial provision & physical target as per latest revised PP/PSP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2009-2010	0.00	0.00	-	-	0.00	0.00	-	-
2010-2011	153.978	153.978	-	100 %	74.00	74.00	-	60 %
2011-2012	-	-			79.978	79.978		40 %

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
2009 -10	0.00	0.00	-	-	0.00	0.00	-	-	0.00
2010 -11	74.00	74.00	-	60 %	74.00	39.565	39.565	-	60 %
2011 -12	73.00	73.00		40 %	67.25	66.28	66.28		40 %

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT /STUDY:

Objectives as per PP/PSP	Actual achievement	Reasons for shortfall, if any
To review existing flooding and drainage system of inside and outside the project area.	It has been reviewed during study.	Does not arise
To reduce the intensity of flood, damages to crops, properties and human sufferings etc.	It has been reviewed during study.	Does not arise
To examine the feasibility of providing full flood control in the project area.	During study period it has been examined.	Does not arise
To review the existing irrigation system.	It has been reviewed during study	Does not arise
To study and suggest possible interventions for surface water availability in the project area.	Possible interventions for surface water availability are suggested in the study report.	Does not arise
To prepare a comprehensive flood management plan for the project area	A comprehensive flood management plan for the project area has been suggested.	Does not arise
To assess the existing drainage problem and to prepare a sustainable drainage plan for the project area.	During study existing drainage system has been reviewed and a sustainable drainage plan for the project has been suggested.	Does not arise
To identify the areas to be suitable for fish culture.	During study period it has been examined.	Does not arise
To create irrigation facilities in the dry season.	During study period it has been examined and suggested in the study report.	Does not arise
To study the current agricultural situation and suggest measures to augment agriculture productivity and accelerating fisheries productivity & other income generation.	During study existing agricultural situation has been studied and suggestive measures have been incorporated.	Does not arise
To suggest measures for round the year navigation.	Study has been done.	Does not arise
To study the impact of proposed interventions on the surrounding areas.	Impacts of proposed interventions on the surrounding areas will observe after Implementation of the project.	Does not arise
To study of the Environment Impact Assessment (EIA) and the Social Impact Assessment (SIA) of the project.	EIA & SIA has been done.	Does not arise
To assess the implemented incomplete projects and to integrate on the proposed project	Implemented incomplete projects have been assessed during study period and suggested to integrate during Implemention.	Does not arise

E. BENEFIT ANALYSIS

01. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1st year of operation at full capacity (or during, real production for newly completed project).
(a) Incremental Agricultural Benefit. (b) (c) (d)	Lac. tk	5565.30	Since it is a study project so, actual quantity will be known after completion of the project.

02. Cost / Benefit : (Option-2)

Item	Estimated	Actual
(1) Benefit cost ratio of the project		Since it is a study project so, actual figure will be known after completion of the project.
(i) Financial	1.55 : 1.00	
(ii) Economic	2.29 : 1.00	
(2) Internal Rate of Return		
(i) Financial	18.52 %	
(ii) Economic	25.93 %	
(3) Net present value		
(i) Financial	9922.80 lac tk.	
(ii) Economic	18410.30 lac tk.	

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

F. MONITORING AND AUDITING

0.1 Monitoring: Monitoring of the project will be done during implementation stage of the Project.

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4

(a) Ministry / Agency:

(b) IMED :

(c) Others: (Please specify)

0.2. Auditing during and after Implementation:

Scince it is a study project so, auditing is not being done at this stage. It will be done during implementation and after implementation of the project.

2.1. Internal Audit :

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

2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections Resolved or not.
1	2	3	4

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on :

1.1 Background (As per Approved PSP)

The Proposed West Gopalgonj Integrated Water Management Project area is located at Gopalgonj sadar, Kashiani & Muksudpur Upazila of Gopalgonj District. The Proposed Project area is divided into Unit No. 1, 2, 3, 4, 5, 6. The West Gopalgonj Integrated Water Management Project area is served by the major distributory system of the Madhumoti river in the southern and western part and the Madaripur Beel Route (MBR) channel & Kumar river in eastern and northern parts. These river basins are also connected by a network of small rivers & khals and linked with low pockets known as beels. The gross area of this project is 75607ha.and the net area is 63,413ha. (Index Map Enclosed)

Main water resources problems are related to flooding, drainage impediment and shortage of surface water in the dry season. If an integrated FCDI project can be implemented in the area, additional aman can be cultivated protecting from harmful flood and production of HYV crops can be increased providing surface water irrigation and protecting from early flood. Creating proper and quick drainage system, low pocket/ beel area can be brought under cultivation. Providing flood management system can also prevent huge loss of lives, property and livestock of the area.

A project comprising only Unit No.2 & 4 was prepared on the basis of recommendation of Feasibility Study done by North-West Hydraulic Consultant Ltd. And implementation started in 1991.After partial implementation the project was not continued. Moreover partially completed structure/embankment could not be maintained due to lack of funds and ultimately those have been partially/ fully damaged during flood of 2004 & 2007. There is no feasibility study has been done for other polders. Now complete feasibility study with the help of Mathematical Modelling Technique including EIA & SIA is proposed for the entire project area comprising Unit No. 1, 2, 3, 4, 5 & 6.

The project area is affected by monsoon flood is almost every year. So cultivation of aman crop can not be possible in this area and sometime tidal saline water affected the area especially on April & May. There are several low basin / beel in the area which faces many problems during Boro cultivation. Early flash flood & tidal saline water intrusion also affects Boro crop harvesting. Arsenic contamination is also threating in the area. Use of surface water instead of ground water for dry period irrigation is demanding by the people in the project.

At the moment the demand of the people and public representatives is the implementation of the west Gopalgonj integrated Water Management project comprising of Unit No. 1, 2, 3, 4, 5, 6.A fresh project proposal is now sent to Directorate of planning-1, BWDB from field office vide memo no: 6S.1/1513, dated 03-06-2009 for conducting the feasibility study of the Project and based on the proposal a proforma for study/survey proposal has been prepared for approval of competent authority. According ToR of Consultant has been prepared.

A meeting of the project Evaluation committee was held on 24/11/2009 in the MoWr under the Chairman of the Secretary MoWr to discuss on the project proposal. Several decisions regarding the project had been taken in the committee and the proposal has been recasted incorporating the decisions taken in the committee.

The administrative approval of **Feasibility Study for West Gopalgonj Integrated Water Management Project** with cost of tk.153.987 lakh has given by the Ministry of Water resources Vide memo no: পাসম/পরি-৩/৮//২০০৯/১৩ on 09-02-2010.

1.2 Justification/Adequacy

Bangladesh is predominately agrarian in character. To attain the self sufficiency and increasing demand in food, it is necessary to be undertaken FCD and FCDI projects to boost up agricultural production. So, development of agriculture, flood control and water resources sector, continues to enjoy high priority in national economy.

Water resource development plays a vital role in accelerating the process of technological transformation on agriculture, planned utilization and efficient management of water resources remain to be one of the most crucial elements for achieving desired changes in agricultural production and productivity in oncoming future terms plan. Therefore, the central strategy for water resources development would be expansion of irrigation coverage and water control measures to increase the area under effective cultivation of HYV`s for the improvements in agricultural productivity and employment situation. Sectoral programme will also eliminate flood damages to crops, properties and physical infrastructure. In this broad context of national urgencies, BWDB need to have a regular and independent out fit of Planning of countinuously carry on feasibility studies of projects.

The Three Years Rolling Programme has the following major objectives:

a. Alleviation of poverty through accelerated economic growth (on an average, 7% per annum) during the plan period to bring about a noticeable improvement in the standard of living of citizens by raising their level of income and ensuring adequate supply of basic needs. Alleviation of poverty will be considered as synonymous with development.

b. Generation of substantial employment opportunities, and increase in productivity through an optimal choice of the traditional labour intensive and new capital intensive technologies;

c. Attainment of food production beyond the self-sufficiency level in the shortest possible time and higher production of diversified high valued export goods;

d. Promotion and diversification of high value-added production for exports;

e. Human resources development with emphasis on compulsory primary education, and vocational training;

f. Development of necessary infrastructure, utilities and other services needed to promote growth, particularly in the private sector;

g. Achievement of a lower population growth rate (1.20%) by the terminal year of the plan, coupled with provision of necessary health care and improved nutrition of mother and child;

h. Protection and preservation of environment, by putting in place adequate regulatory regimes and effective institutions, keeping in view optimum exploitation of natural resources for sustainable development;

i. Closing the gender gap, giving priority to woman's education, training and income rising employment generation with special support for educating the girl child;

j. Establishment of better social justice through a more equitable distribution of income, resources and opportunities, and creation of effective safety nets for the socially and economically disadvantaged section of the population.

The sectoral objectives of water resources development during the Three Years Rolling Programme are:

i To alleviate poverty and generate employment opportunities;

ii To ensure ecological balance;

iii To promote water conservation for irrigation and other uses;

iv To enhance conveyance capacity of water courses through desiltation;

v To protect towns, commercial centres, agricultural lands etc. from the erosion of inland and border rivers;

vi To control flush flood during pre-monsoon;

vii To reduce intensity of flush flood, damages of crops, properties and human sufferings etc;

viii To augment agricultural productivity and accelerate other economic works;

ix To reduce the drainage congestion during post monsoon;

x To create navigational facilities in the river & khals;

xi To explore the possibility of providing irrigation facilities;

xii To promote culture fisheries in the completed projects, establishment of fish sanctuary and culture pink pearl in the haors and rivers.

xiii To promote optimum use of available flows of the common rivers in domestic, agricultural, fisheries, navigation and industrial sectors;

xiv To fulfill the need of irrigation for achieving food grain self-sufficiency by ensuring year-round sustainable irrigation through conjunctive use of surface and ground-water thus avoiding over-extraction of sub-surface water;

xv To control floods to protect crops, lives and properties and promote both HYV rice and fish through controlled flooding;

xvi To prevent saline intrusion;

xvii To ensure active people's participation in planning implementation and maintenance of water sector projects; and

xviii To carry out studies on future water resources development projects.

xix To strengthening of training capacity of Training Institute of BWDB at different places in Bangladesh.

xx To dissemination of knowledge, experience and insights obtained from projects undertaken in Bangladesh in the past and present, like the FAP, SP, EIP, LRP, DDP, CERP and alike.

1.3 Objectives

The specific objectives of the study are as follows:

- To review existing flooding and drainage system of inside and outside the project area.
- To reduce the intensity of flood, damages to crops, properties and human sufferings etc.
- To examine the feasibility of providing full flood control in the project area.
- To review the existing irrigation system.
- To study and suggest possible interventions for surface water availability in the project area.
- To prepare a comprehensive flood management plan for the project area
- To assess the existing drainage problem and to prepare a sustainable drainage plan for the project area.
- To identify the areas to be suitable for fish culture.
- To create irrigation facilities in the dry season.
- To study the current agricultural situation and suggest measures to augment agriculture productivity and accelerating fisheries productivity & other income generation.
- To suggest measures for round the year navigation.
- To study the impact of proposed interventions on the surrounding areas.
- To study for the Environment Impact Assessment (EIA) of the project.
- To study for the Social Impact Assessment (SIA) of the project
- To assess the implemented incomplete projects and to integrate on the proposed project.

1.4 Project revision with reasons

Original PSP: May,2010 - April, 2011	
Revised PSP : May,2010- June,2012	**Time Extension without cost Increase**

1.5 Conclusions and Recommendations :

Feasibility study for Integrated Water Management of the WestGopalgonj area has been accomplished. After study and analysis of the field level data and people's participations eight numbers options were taken, developed and studied. The results of all eight flood management options are now reassessed and among the eight options A-8 is in 1st position, Option A-7 in the 2nd position, Option A-4 in 3rd position, and Option A-1 in 4th position. So, option A-8 is recommended for implementation.

Accordingly, Options A-8 comprising re-excavation of selected khals Plus full flood embankments for polder 2, 5 & 6 and submergebale embankments at the bottom ends of polder 1 & 4 to prevent early flood and salinity for protection of Boro crop has been recommended for Implementation. In this recommended option there will be no intervention for Polder-3 except re-excavation of the khals.

As stated in the EIA report, no additional environmental clearance will be required for implementation of canal re-excavation and submersible embankment (Compoment-1). However, for implementation of Compoment-2 (full flood management infrastructure) an EIA clearance will be required from the DoE.

2. Rationale of the project in respect of Concept, Design, Location and Timing. : Not Applicable

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

- **Project Identification**
- **Project Preparation**
- **Appraisal**
- **Credit Negotiation**
- **Credit Agreement**
- **Credit Effectiveness**
- **Loan Disbursement**
- **Loan Conditionalities**
- **Project Approval.**
- **Others (if any).**

Applicable Investment Project

4. <u>Analysis of the Post-Implementation situation and result of the project</u> :

4.1	Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.	Yes, they have taken clear knowledge about the Target/ Objectives of the project.
4.2	Programme for use of created facilities of the project.	The project will be facilited employment opppertunities, Income generation, & women empowerment.
4.3	O & M programme of the project.	Will be done by BWDB.
4.4	Impact of the project - 4.4.1 Direct	i) Paddy 48577 m.ton
	4.4.2 Indirect	Women empowerment. & Development of social–economic condition.
4.5	Transfer of Technology and Institutional Building through the project	Transfer of Technology and Institutional Building capacity through formation of Water users group (WUG) in the project area.
4.6	Employment generation through the project.	22,32,274 Mandays
4.7	Possibility of Self employment.	Positve
4.8	Possibility of women-employment opportunity.	positive
4.9	Women's participation in development.	positive
4.10	Probable Impact on Socio-Economic activity.	positive
4.11	Impact on environment.	positive
4.12	Sustainability of the project.	Proper implementation & cooperation of stake holders will ensure the project sustainability.
4.13	Contribution to poverty alleviation/reduction	Poverty will be reduced due to income generation.
4.14	Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.	Highly recommened to implement the project
4.15	Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.	Not related

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

5.1	Project Management	5.12	Project aid disbursement and re-imbursment
5.2	Project Director	5.13	Mission of the development partners.
5.3	Land Acquisition	5.14	Time & Cost Over-run
5.4	Procurement	5.15	Project Supervision/Inspection
5.5	Consultancy	5.16	Delay in Decision
5.6	Contractor	5.17	Transport
5.7	Manpower	5.18	Training
5.8	law & Order	5.19	Approval
5.9	Natural clamity	5.20	Others.
5.10	Project financing, allocation and release.		
5.11	Design formulation/approval		

Time over runed without cost increase hence the time has extended for 14 month.

6. **Remarks & Recommendations of the Project Director :**

"Feasibility study for West Gopalgonj Integrated Water Management Project" has been completed on 30-06-2012. It is recommended that the project should be implemented dearly to achieve the desired objectives.

03.10.12

Date : ....

Signature and seal of the Project Director/Manager

(Md. Sarafat Hossain Khan)
Director
Planning-1, BWDB, Dhaka.

4. <u>Analysis of the Post-Implementation situation and result of the project</u> :

4.1	Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.	Yes, they have taken clear knowledge about the Target/ Objectives of the project.
4.2	Programme for use of created facilities of the project.	The project will be facilited employment opppertunities, Income generation, & women empowerment.
4.3	O & M programme of the project.	Will be done by BWDB.
4.4	Impact of the project - 4.4.1 Direct	i) Paddy 48577 m.ton
	4.4.2 Indirect	Women empowerment. & Development of social–economic condition.
4.5	Transfer of Technology and Institutional Building through the project	Transfer of Technology and Institutional Building capacity through formation of Water users group (WUG) in the project area.
4.6	Employment generation through the project.	22,32,274 Mandays
4.7	Possibility of Self employment.	Positve
4.8	Possibility of women-employment opportunity.	positive
4.9	Women's participation in development.	positive
4.10	Probable Impact on Socio-Economic activity.	positive
4.11	Impact on environment.	positive
4.12	Sustainability of the project.	Proper implementation & cooperation of stake holders will ensure the project sustainability.
4.13	Contribution to poverty alleviation/reduction	Poverty will be reduced due to income generation.
4.14	Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.	Highly recommened to implement the project
4.15	Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.	Not related

7. **Remarks/Comments of Agency Head**

Date : ....

22/08/22

Signature and Seal

K.A.M. Shahiduzzaman.
Director General
BWDB, Dhaka.

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

Date :

Signature and Seal