

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

MINISTRY OF PLANNING

IMPLEMENTATION MONITORING & EVALUATION DIVISION



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED 04/2003 (Revised)

**CLIMATE SMART AGRICULTURAL WATER MANAGEMENT PROJECT
(CSAWMP)**

September, 2018

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** : Climate Smart Agricultural Water Management Project (CSAWMP)
02. **Administrative Ministry/Division** : Ministry of Water Resources (Lead Ministry)
Ministry of Agriculture
Ministry of Fisheries & Livestock
03. **Executing Agency** : Bangladesh Water Development Board (BWDB),
Department of Agriculture Extension (DAE) and
Department of Fisheries (DoF).

04. Location of the Project :

The project covers 42 completed FCD/ FCDI schemes of BWDB located in 61 upazilla under 31 districts throughout the country. The schemes have been selected from 9 (nine) Zones of BWDB having command area ranging from 1000ha. to 15000ha.

05. Objective of the Project:

The specific objectives are:

- DPP Preparation;
- Preparation of an environmental and social management framework report;
- Preparation of list of technically feasible new FCD/FCDI schemes report; and cost estimation of rehabilitation works;
- Preparation of an agriculture and fisheries report;
- Preparation of a draft procurement strategy report;
- Preparation of a procurement plan for the proposed project for the period from July 2018 to June 2023;
- Preparation of a priority procurement plan for first 18 months for the proposed project ;
- Preparation of TOR for key Consultancy Services;

6. Estimated Cost:

	(In lakh Taka)	
	Original	Latest Revised
(a) Total	505.00	558.15
(b) Taka	0.00	53.15
(c) Foreign Currency	--	--
(d) Project Aid	505.00	505.00
(e) RPA	505.00	505.00

07. Date of Approval :

PCP	TPP
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(a) Original : 29 December, 2016

(b) Latest Revised : 29 January, 2018

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	January, 2017	December, 2017
(b) Latest Revised	January, 2017	June, 2018
(c) Actual	January, 2017	June, 2018

09. Financing Arrangement (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 Effective-ness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8
IDA	US\$	0.64	Loan (PPA)	06-06-2017	06-06-17	31-03-18	30-09-18

b) GOB :

Total amount	Loan	Grant	(In lakh Taka)
1	2	3	Cash Foreign Exchange
53.15	-	53.15	4
			-

9.2 Utilization of Project Aid: (Source wise)

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
IDA	0.64	50.50	0.32	26.98	0.32	26.17

9.3 Re-imbursible Project Aid (RPA) :

(In lakh Taka)

R P A Amount		Amount Spent	Amount Claimed	Amount Re-imbursed	Remarks
As per TPP	As per Agreement				
1	2	3	4	5	6
505.00	505.00	269.78	269.78	269.78	

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
January, 2017 to December, 2017	January, 2017 to June, 2018	January, 2017 to June, 2018	50.00 %	Due to delay in PPA agreement signing with WB and for incorporating the disbursement method RPA through GoB.

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	505.00	558.15	295.09	--	
TAKA	-	53.15	25.31	--	
PA	505.00	505.00	269.78	--	

03. Project Personnel:

Sanctioned strength as per TPP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per TPP	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s)	03				03	-
Staff(s)	11				08	03
Total :	14				11	03

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

Field of Training /Study tour/workshop/Seminar etc.	Provision as per TPP		Actual		Remarks
	Number of person	Man - months	Number of person	Man - months	
1	2	3	4	5	6
a. Foreign	21	10days --	11	10 days --	Batch = 01 no.
b. Local	-	--		--	-.

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

Sl. No	Work Components as per TPP (With quantity)	Unit	Target as per RTPP		Actual Progress		Reasons for deviation (±)
			Financial	Physical Quantity	Financial	Physical Quantity	
1	2	3	4	5	6	7	8
	(a) Revenue Component						
1	Manpower	1 item	110.00	18 nos	52.65	14 nos	
2	Consultancy National	1 item	135.00	Person= 6, mm-39.33	98.66	Person= 6, mm- 42.6	For project need, the consultants additional mm was required & due concurrence has been taken from WB and competent authority.
3	Fuel & Gas	LS	8.10	LS	2.93	LS	
4	Petrol, & Lubricant	LS	12.00	LS	5.99	LS	
5	Honorarium/ Fees/ Remuneration	LS	5.00	LS	1.57	LS	
6	Stationary, Seals & stamps	LS	7.00	LS	3.09	LS	
7	Printing & Binding	LS	6.00	LS	0.17	LS	
8	Experience Sharing for Project Planning (PCU Officials) expenses	LS	90.00	Batch= 02, person-21	46.58	Batch= 01, person-11	
9	Seminars/ Conferences	LS	10.00	LS	-	-	
10	Rent- Office	LS	50.00	LS	39.25	LS	
11	Postage	LS	2.65	LS	0.06	LS	
12	Entertainment Expenses	LS	2.45	LS	1.38	LS	
13	Computer Consumables	LS	6.00	LS	3.77	LS	
14	Motor Vehicle	LS	15.00	LS	4.64	LS	
15	Office Equipment	LS	5.90	LS	3.71	LS	
16	Other Repair & Maintenance	LS	4.00	LS	0.09	LS	
17	Other Expenses	LS	46.90	LS	25.34	LS	
18	Advertising & Publicity	LS	8.00	LS	0.00	LS	

19	Registration Fee(DoE Fee)	LS	23.50	LS	0.52	LS	
20	Surveys	LS	8.00	LS	4.69	LS	
21	Examination Fees & Expenses	LS	2.65	LS	-	-	
	(b) Capital Component		-				
	Total		558.15	100%	295.09	83.08%	

* Though the physical progress of the project is 83.08% but the main purpose of the project i.e. DPP preparation and other tasks of the project has been completed. Hence the project objective has been fully achieved.

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. A. H. M. Fakhrul Islam Add.Chief Engineer Tk.56,000.00-74,400.00	Full time	--	No	01-01-17	22.01.17	
Mr. Amanullah Superintending Engineer Tk. 50,000.00-71,200.00	Full time	--	No	23.01.17	30-06-18	

07. Procurement of Transport (in Nos.)

Type of transport	Number as per RDPP	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 Services:

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

Description of procurement (goods/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 PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
		N/A				

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

Name of the Field	Approved man month		Actual man month utilized	Remarks
	As per PP	As per contract		
1	2	3	4	5
1) Individual consultant for DPP Preparation	6	6.9	6.9	For project need, the consultants additional service (mm) was required & due concurrence has been taken from World Bank and competent authority.
2) Individual consultant for Technical Consultancy(Senior)	6	6.9	6.9	
3) Individual consultant for Technical Consultancy(Junior)	9.33	6.9	6.9	
4) Individual consultant for Procurement Consultancy	6	9.0	9.0	
5) Individual consultant for Agriculture & Fisheries Consultancy	6	6.9	6.9	
6) Individual consultant for Environmental and Social Management Framework	6	6.0	6.0	
Total	39.33	42.6	42.6	

09. Construction/Erection/Installation Tools & Equipment:

Description of items	Quantity (as per RDPP)	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
		N/A				

C. FINANCIAL AND PHYSICAL PROGRAMME:

01. (a) Original and revised schedule as per RTPP :

(In lakh Taka)

Financial Year	Financial provision & physical target as per Original TPP				Financial provision & physical target as per latest revised TPP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2016-17	385.73	0.00	385.73	76.38	0.00	0.00	0.00	6.11
2017-18	119.27	0.00	119.27	23.62	558.15	53.15	505.00	93.89
Total	505.00	0.00	505.00	100.00	558.15	53.15	505.00	100.00

(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	0.00	0.00	0.00	6.11	0.00	0.00	0.00	0.00	6.11
2017-18	433.00	53.00	380.00	76.97%	394.75	295.09	25.31	269.78	76.97
Total	433.00	53.00	380.00	83.08	394.75	295.09	25.31	269.78	83.08

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
A) DPP Preparation	A) Prepared DPP and submitted to MoWR on 15-03-2018. MoWR has given directives to form two committees: DPP review committee and EIA/SIA committee, and recast DPP according to the reports. These two committees were formed and their works are in progress and DPP will be finalized & submitted accordingly.	No shortfall
B) Preparation of an environmental and social management framework report;	B) Prepared environmental and social management framework report;	
C) Preparation of list of technically feasible new FCD/FCDI schemes report; and cost estimation of rehabilitation works;	C) Prepared technically feasible new FCD/FCDI schemes report; and cost estimation of rehabilitation works;	
D) Preparation of an agriculture and fisheries report;	D) Prepared an agriculture and fisheries report;	
E). Preparation of a draft procurement strategy report;	E) Prepared a draft procurement strategy report;	
F).Preparation of a procurement plan for the proposed project for the period from July 2018 to June 2023;	F) Prepared a procurement plan for the proposed project for the period from July 2018 to June 2023	

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
G). Preparation of a priority procurement plan for first 18 months for the proposed project ;	G) Prepared priority procurement plan for first 18 months for the proposed project	
H). Preparation of TOR for key Consultancy Services;	H) Prepared TOR for key Consultancy Services	

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).
Training programme:			
This is a technical study project which aims to prepare a DPP. Objective wise a DPP has been prepared with the provision of the World Bank financing. The DPP has been processed for approval from competent authorities. Thus the objective of this technical assistance project is 100% accomplished.			

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	N/A	
(ii) Economic		
(2) Internal Rate of Return		
(i) Financial	N/A	
(ii) Economic		

Note: Though project is a technical assistance project

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

F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) <u>Ministry / Agency:</u>			
(b) <u>IMED:</u> i) Mr. Sheikh Mohammad Abdur Rahman Deputy Director, IMED Ministry of Planning	18-02- 2018	--	--
(c) <u>Others:</u> i) World Bank Mission and BWDB officials	i). 28-01-2018 to 02-02-2018 ii). 01-10-2017 to 13-10-2017 iii) 25-05-2017 to 15-06-2017		

0.2. Auditing during and after Implementation:

2.1. Internal Audit: No audit conducted

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

2.2. External Audit:

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

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background

Bangladesh is the floodplain delta of three major rivers, the Ganges, Brahmaputra and Meghna, and more than fifty other rivers flow into it. It is exposed to extreme weather events, with high rainfall during the monsoon season extensive flooding occurs in lower-lying areas of the country, and this problem is compounded by slow drainage and high sea tides. Due to climate change, the frequency and intensity of extreme weather events in Bangladesh are predicted to increase and so are the impacts of these events on the agricultural sector. Climate projections for the country point to an increase of 1.6 degrees centigrade in median temperature and an increase of 4 percent in median annual precipitation by the 2050s. Sea level, partly mediated by temperature is projected to rise by 45 cm because of warming, and this would inundate 10-15 percent of the country, pushing the saline front further inland. With increasing river flow volume during the monsoon, erosion will be aggravated along the major rivers forcing producers to abandon their land. The prospect of changing temperatures and precipitation patterns, combined with the uncertainty of the timing and magnitude of extreme events, and rising sea levels will have important impacts on the agriculture sector.

More than eighty percent of Bangladesh's poor population lives in rural areas and they are dependent for their livelihoods on agriculture and fisheries. As a result they are also more vulnerable to floods, erosion, tidal surges and cyclones and suffer significant human and economic losses. Effective water management is therefore critical for them and poverty reduction at a broader scale, and it has played a major role in strategies for agricultural growth and disaster risk reduction in the country. Among the structural interventions for water management, Bangladesh Water Development Board (BWDB) built roughly 700 flood control and drainage (FCD) and flood control, drainage and irrigation (FCDI) schemes across the country, covering more than six million hectares of land. This approach was effective in reducing vulnerability by lessening the magnitude of flooding and substantially increasing rice production during the monsoon season. Yet the performance of these schemes has been suboptimal due to their deterioration and poor funding to maintain them.

The Water Management Improvement Project (WMIP) with World Bank funding was launched as a part of this approach with the long-term objective of assisting the government institutionalize a process of participatory management for improving the sustainability and performance of FCD/I schemes under the control of the BWDB and to improve water resources planning and management. But due to AILA and SIDR, WMIP had to take up emergency Flood Damage & Rehabilitation (FDR) works as emergency and a considerable amount of fund was diverted to FDR works. In addition to that there was lack of experience in the field of Participatory Water Management approach and the progress of social mobilization activities could not be achieved up to the mark. Under the circumstances, WMIP was re-structured and it was decided to rehabilitate and transfer the management of 67 schemes in place of 200 schemes originally targeted. The project reached a fair level of achievement with respect to the formation of Water Management Organizations (WMO) and the transfer of 67 FCD/I schemes to them and the project did build significant community commitment to PSM. Improved FCD has led to less damage to crops from flooding and production increased and also has led to higher production of fish, which had been washed out from floods in the past. Livestock keeping, and fodder production, has also been made possible. The agricultural as well as livelihood benefits from scheme rehabilitation and O&M by WMOs have clearly been significant and diverse. WMIP was completed in December 2016.

The proposed Climate Smart Agricultural Water Management Project (CSAWMP) would be implemented for climate resilient agricultural water management introducing new activities related to long term water use efficiency and climate smart irrigation and water management technologies. The proposed CSAWMP will scale up the pilot reforms program initiated under recently completed WMIP and will incorporate climate change aspects in the project design. The proposed project will also strengthen WMO formed under WMIP and include lessons learned from the pilot phase and will lead to establishing a sustainable and effective Water Management System in Bangladesh through participatory approach.

1.2 Justification/Adequacy

- ❑ CSAWMP is built on two foundations. The first is making use of rich legacy of experience in water management spanning over half a century. The other is the imperative of dealing with the problems in a systemic perspective that leads to an overall improvement of management of water resources. The concepts and approaches to be used in the context of CSAWMP are as far as possible based on past experience.
- ❑ CSAWMP has been formulated on the basis of legacies and lessons learnt from the experience of BWDB Coastal and Inland FCD/FCDI schemes EIP, SRP, CPP, CAD and WMIP project. National Water Policy- 1999, National Water Management Plan- 2001 and Guidelines for Participatory Water Management- 2001, Sustainable Development Goals (SDGs), National Social Security Strategy (NSSS), BDP 2100 are the guiding documents in adopting the objective, components and implementation mechanism of the CSAWMP.
- ❑ FCD/FCDI schemes of BWDB play a significant role in poverty reduction and food security. Small farmers, landless labours and tenant farmers constitute a major portion of the poor and they are either benefited or adversely affected from the performance of BWDB FCD/FCDI schemes. BWDB FCD/FCDI schemes provide flood control, drainage and irrigation facilities to about 67% land of the total 8.02 million ha. Cropland of the country. Flood, drainage congestion or drought may cause crop damage to the protected land (within BWDB FCD/FCDI schemes in absence of proper care of the infrastructures of the schemes) and in that situation the poor face the worst suffering (in the form of joblessness, shortage of food, shortage of fodder etc).
- ❑ In order to ensure sustainable and eco-friendly operation and maintenance of BWDB FCD/ FCDI schemes (so that the poor can cross the poverty hurdle and as a whole the living standard of the people is uplifted) by involving the local stakeholders through water management organization (WMO) in all water related activities (such as flood control, drainage, irrigation, fisheries, haor/ baor/ beel development, agriculture extension etc.) CSAWMP has been conceptualized.

1.3 Objectives

Its a Technical Assistance Project. The objectives of this projects are:

- DPP Preparation;
- Preparation of an environmental and social management framework report;
- Preparation of list of technically feasible new FCD/FCDI schemes report; and cost estimation of rehabilitation works;
- Preparation of an agriculture and fisheries report;
- Preparation of a draft procurement strategy report;
- Preparation of a procurement plan for the proposed project for the period from July 2018 to June 2023;
- Preparation of a priority procurement plan for first 18 months for the proposed project ;
- Preparation of TOR for key Consultancy Services;

1.4 Project revision with reasons

The TPP of the CSAWMP was approved by the Minister, Ministry of Water Resources on 29 Dec 2016 and the administrative order was issued by the MoWR on 29 Dec 2016. The approved Technical Assistance Project Proforma (TPP) was sent to World Bank through ERD on 17.01.2017. The World Bank sent the Advance Agreement for preparation of proposed CSAWMP (Project preparation Advance No. IDA V073-BD) for countersigning the agreement on 09 April, 2017.

The project was started on 01 Jan, 2017 but the PPA (Project Preparation Advance No. IDA V073-BD) was signed on 06 June, 2017. During this interim period some unavoidable office expenditure has been made which are not directly related to CSAWMP as per PPA which are to be made through GoB.

It is mentioned in the Advance Agreement Article I, section 1.02(b) that World Bank will not finance “salaries, per diem, fuel, allowances honorarium of officials of the Recipient’s civil service and/or other sitting allowances and honorarium of any other nature”. For this in revised TPP GoB provision is kept to meet up those expenditure.

The CSAWMP TPP project started on 01 Jan, 2017 and its completion date is on 31 December, 2017. But the PPA was signed on 06 June, 2017. Since considerable time has elapsed and consultants are being fielded after six months, time extension was needed up to 30 Jun 2018.

Hence, the TPP was revised incorporating the disbursement method RPA through GoB, including the cost of feasibility study of DAE and DoF with GoB provision to meet up expenditure that will not be made through PPA of World Bank and also for time extension of the TPP upto 30 Jun 2018.

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

In order to ensure sustainable and eco-friendly operation and maintenance of BWDB FCD/ FCDI schemes (so that the poor can cross the poverty hurdle and as a whole the living standard of the people is uplifted) by involving the local stakeholders through water management organization (WMO) in all water related activities (such as flood control, drainage, irrigation, fisheries, haor/ baor/ beel development, agriculture extension etc.) CSAWMP has been conceptualized.

CSAWMP has been formulated on the basis of legacies and lessons from the experience of BWDB coastal and Inland FCD/ FCDI schemes, EIP, SRP, CPP, CAD, IPSWAM and WMIP project. National water policy 1999, National Water Management plan, 2004, Guidelines for Participatory Water Management, 2001 and Poverty Reduction Strategy paper, 2005 are the guiding documents in adopting the objective, components and implementation mechanism of the CSAWMP.

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

◆ Project Identification

The project schemes were first studied through BWDB Technical Committee on 2016. The WB mission thoroughly studied the outcome and afterwards mission visited the proposed scheme site. After series of meeting with BWDB experts and WB mission WMIP-Phase-II was renamed later as CSAWMP.

The CSAWMP schemes were selected on the basis of sociological, technical, economic and environmental criteria, and those proposed by the beneficiaries. In selecting the CSAWMP schemes Participatory Scheme Cycle Management (PSM) process was followed and local stakeholders/ beneficiary participation and their recommendation have been taken in identification/planning.

◆ Project Preparation:

The project was conceived after series of studies made under GoB and PPA fund of World Bank. These are (i) Technical Study Report for Project Preparation Studies Jun 2016 (ii) Feasibility studies of FCD/FCDI scheme rehabilitation, (iii) Preparation of Environmental and Social Management Framework Reports, (iv) Preparation of Agriculture and Fisheries Report, (v) Preparation of Pest Management Plan.

In this project, new and innovative interventions are identified to supplement the PSM approach and further strengthen WMOs and CWM office. For climate smart agricultural practices, new activities are proposed that will support post-irrigation on-farm water management. The project design is being enhanced to focus on

agricultural water management by not only improving irrigation infrastructure, but also introducing activities related to on-farm water use efficiency and climate smart irrigation and water management technologies. Only schemes with area 1000-15,000 ha are eligible to be included in the CSAWMP programme. It is designed for implementing 42 FCD/FCDI schemes of BWDB. The project covers 61 upazilas under 31 districts of Bangladesh.

The project formulation events from appraisal to approval are given below:

- ♦ **Appraisal** : N/A
- ♦ **Credit Negotiation** : N/A
- ♦ **Credit Agreement** : The credit agreement signed on June 06, 2017
- ♦ **Credit Effectiveness** : The credit effectiveness was from June 06, 2017
- ♦ **Loan Disbursement**
 - ♦ **Loan Conditionalities** : It is a bank soft loan with 0.75% interest.
 - ♦ **Project Approval** : The project was approved by MOWR on 29 December, 2016 and Final RDPP was approved by Ministry of Planning on 23 January, 2018.
 - ♦ **Others (if any)** : N/A

4. Analysis of the Post-Implementation situation and result of the project: Not Applicable
(Its a Technical Assistance Project)

- 4.1 Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.
N/A
- 4.2 Programme for use of created-facilities of the project
N/A
- 4.3 O & M programme of the project.
N/A.
- 4.4 Impact of the project: Not Applicable
 - 4.4.1 Direct
 - 4.4.2 Indirect
- 4.5 Transfer of Technology and Institutional Building through the project: Not Applicable
- 4.6 Employment generation through the project: Not Applicable
- 4.7 Possibility of Self employment: Not Applicable
- 4.8 Possibility of women-employment opportunity: Not Applicable
- 4.9 Women's participation in development: Not Applicable
- 4.10 Probable Impact on Socio-Economic activity.: Not Applicable
- 4.11 Impact on environment : Not Applicable
- 4.12 Sustainability of the project : Not Applicable
- 4.13 Contribution to poverty alleviation/reduction : Not Applicable
- 4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.

- Not Applicable
- 4.15 Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.**
- Not Applicable

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

- 5.1 Project Management** : Not Applicable
- 5.2 Project Director** : Not Applicable
- 5.3 Land Acquisition** : Not Applicable
- 5.4 Procurement** : Not Applicable
- 5.5 Consultancy** : Not Applicable
- 5.6 Contractor** : Not Applicable
- 5.6 Manpower** : Not Applicable
- 5.7 law & Order** : Not Applicable
- 5.8 Natural calamity** : Not Applicable
- 5.9 Project financing, allocation and release** : Does not arise.
- 5.10 Design formulation/approval** : Not Applicable
- 5.11 Project aid disbursement and re-imbursement:** Not Applicable
- 5.12 Mission of the development partners** :

During project period several World Bank Mission visited the project. The list of WB mission visit with period is shown below:

SI No.	Name of the Mission	Period
1.	Appraisal Mission	January 28 to February 02, 2018
2.	Preparation Mission	October 01-13, 2017
	Identification Mission	May 25 to June 15, 2017

5.14 Time & Cost Over-run :

The TPP of CSAWMP was formulated and approved by MOWR on 29 December, 2016 with total project cost BDT 505.00 lakh and project period January 2017-December 2017. The TPP has been revised and approved by the Ministry of Planning on January, 2018 with total project cost BDT 558.15 lakh. The project completion date is revised to June, 2018.

- 5.15 Project Supervision/Inspection** : Not Applicable
- 5.16 Delay in Decision** : Not Applicable

5.17	Transport	: Not Applicable
5.18	Training	: Not Applicable
5.19	Approval	: Not Applicable
5.20	Others.	: Not Applicable

6 Remarks & Recommendations of the Project Director:

The proposed CSAWMP would be implemented for climate resilient agricultural water management introducing new activities related to long term water use efficiency and climate smart irrigation and water management technologies. The project will scale up the pilot reforms program initiated under recently completed WMIP and will incorporate climate change aspects in the project design involving the local community and stakeholders in water management to ensure Integrated Water Resources Management (IWRM) in the country.

In CSAWMP, 42 FCD/FCDI schemes of BWDB has been proposed for rehabilitation. After rehabilitation the management of these schemes will be transferred to Water Management Organizations (WMOs).

The Participatory Scheme Cycle Management approach involving WMOs may be followed in wider scale for new schemes under the proposed CSAWMP project. Moreover in this project, enhanced focus on agriculture water management with climate variability's will lead to establishing a sustainable and effective Water Management System in Bangladesh.

Date: 06 September 2018.


Signature and seal of the Project Director/Manager

(Amanullah)
Superintending Engineer/ Project Director
CSAWMP-PCU
BWDB, Dhaka

7. Remarks/Comments of Agency Head

This project was taken as a technical assistance project to formulate a DPP of the Development phase of the project. 42 FCD/ FCDI schemes have been selected & proposed for development phase. A DPP has been prepared & submitted to MoWR for approval.

Date:


Signature and Seal

(Md. Mahfuzur Rahman)
Director General
BWDB, Dhaka.

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

Date:

Signature and Seal