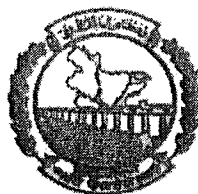


# BANGLADESH WATER DEVELOPMENT BOARD



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

Name of the Project: Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District (1<sup>st</sup> Revised).

PROJECT PERIOD: March 2019 to June 2022.

Name of Division : Joypurhat WD Division, BWDB, Joypurhat.

Name of Circle : Bogura O&M Circle, BWDB, Bogura.

Name of Zone : North-Western Zone, BWDB, Rajshahi.

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

**PROJECT COMPLETION REPORT: IMED 04/2003 (REVISED)**

**A. PROJECT DESCRIPTION:**

**01. Name of Project** : Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District (1st Revised).

**02. Administrative Ministry/ Division** : Ministry of Water Resources (MoWR)

**03. Executing Agency** : Bangladesh Water Development Board (BWDB)

**04. Location of the Project** : Upazila: Akkelpur, Khetlal, Panchibi & Joypurhat Sadar; Dist: Joypurhat.

**05. Objectives of the Project** :

- To increase agricultural production by providing irrigation facilities to about 57,000 hectares of land.
- To ensure year-round irrigation facilities by increasing the water retaining capacity of rivers.
- To reduce flood risk by increasing drainage capacity of rivers.
- To rejuvenate the rivers through re-excavation.
- To ensure easy communication through navigation by increasing the navigability of rivers.
- To improve the environmental and socio-economic conditions.

**06. Estimated Cost:**

(In Lakh Taka)

	Original	Latest Revised (1 <sup>st</sup> )
a) Total	12347.41	13647.44
b) Taka	12347.41	13647.44
c) Foreign Currency	-	-
d) Project Aid	-	-
e) RPA	-	-

**07. Date of Approval :**

PCP	PP
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a) Original : 19/06/2019

b) Latest Revised : 09/12/2021

**08. Implementation period :**

	Date of Commencement	Date of Completion
a) Original	March 2019	December, 2021
b) Latest Revised (1 <sup>st</sup> )	March 2019	June, 2022
c) Actual	March 2019	June, 2022

**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
13647.44	-	13647.44	-

**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
March/2019 to December/2021	March/2019 to June/2022	March/2019 to June/2022	27.27%	For implementation of additional length of re-excavation work according to RDPP, project duration was extended.

**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	12347.41	13647.44	12708.23	2.92%	Due to inclusion of additional length of 28.00 km re-excavation work in RDPP, project cost over-run only 2.92%.
Taka	12347.41	13647.44	12708.23	2.92%	
PA	-	-	-	-	

**03. Project Personnel:** Project work has been completed by the existing manpower of Joypurhat WD Division, BWDB, Joypurhat. So, no additional man power was needed.

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
<b>Revenue Component:</b>						
Internal Travel Expenses (LS)	1 item	6.50	1 item	6.50	1 item	
Gas and Fuel (LS)	1 item	3.60	1 item	3.00	1 item	
Petrol, oil and Lubricant (LS)	1 item	8.00	1 item	7.78	1 item	
Printing & Binding (LS)	1 item	1.40	1 item	1.38	1 item	
Other Stationery (LS)	1 item	3.50	1 item	3.50	1 item	
Publicity and Advertisement Expenses (LS)	1 item	2.00	1 item	2.00	1 item	
Seminar/Conference Expenses (LS)	1 item	1.00	1 item	1.00	1 item	
Labour Charge (Labour and Driver) (LS)	1 item	5.50	1 item	5.33	1 item	
Honorarium for different Committee (LS)	1 item	9.00	1 item	8.79	1 item	
Honorarium for Mid Term Evaluation Committee (LS)	1 item	7.50	1 item	7.50	1 item	
Survey	1 item	6.50	1 item	6.50	1 item	
Motor Vehicle (Jeep 03 Nos. and Motor Cycle 03 Nos) (LS)	1 item	4.50	1 item	4.49	1 item	
Non Residential & Residential Building (Repair of Office building & Residential Building BWDB, Joypurhat Division) (LS)	1 item	9.00	1 item	8.98	1 item	
<b>Sub-total Revenue Component(A) :</b>		<b>68.00</b>		<b>66.75</b>		
<b>Capital Component:</b>						
Motor Vehicle (5 Door, max 2700 C.C. Made by Progati Industries Ltd) (01 Nos)	nos	60.00	1	60.00	1	
Motor Vehicle (Motor Cycle max 125 C.C) (02 Nos)	nos	3.00	2	3.00	2	
Engineering & other Equipments (Levelling Machine with staff-02 Nos. & Hand GPS-02 Nos.) during the FY: 2019-2020.	nos	1.50	4	1.50	4	
Computer & accesorries	nos	1.60	2	1.60	2	
Furniture	1 item	8.00	1 item	7.20	1 item	
Trees, crops and vegetal resource producing related goods (Green forestation in embankments slope)	1 item	5.00	1 item	5.00	1 item	
Re-Excavation of Tulshiganga river (54.00 km), Little Jamuna river (38.60 km), Chiri river (21.70 km) & Harabati River (16.05 km) (Total Length 130.35 km, Total earth volume 76.73 lac cum)	km/lac cum	12069.93	130.35 km/ 76.73 lac cum	11263.04	130.35 km/ 73.51 lac cum	
Resectioning right bank flood control embankment of Tulshiganga river (From km. 0.00 to km. 15.90) and left bank (From km. 0.43 to km. 15.20), (Total 30.67 km, Total Earth volume 6.22 lac cum)	km/lac cum	1428.41	30.67 km/ 6.22 lac cum	1298.14	30.67 km/ 5.72 lac cum	
Construction of permanent signboard (Civil works site)	1 item	2.00	1 item	2.00	1 item	
<b>Sub-total Capital Component (B):</b>		<b>13579.44</b>		<b>12641.48</b>		
<b>Total (A+B) :</b>		<b>13647.44</b>	<b>100.00%</b>	<b>12708.23</b>	<b>100.00%</b>	

**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. Rafiqul Alam Chowdhury Executive Engineer 43000-69850/-	Full	-	No	05/08/2019	11/10/2020	
Tariq Abdullah Al Fayyaz Superintending Engineer 50000-71200/-	Full	-	No	02/02/2021	11/10/2021	
Md. Shahjahan Siraj Superintending Engineer 50000-71200/-	Full	-	No	05/01/2022	till to date	

**07. Procurement of Transport (in nos.):**

Type of Transport	Number as per DPP	Procured with date	Transferred to Transport Pool with date	Transferred to O&M with date	Condemned/ damaged with date	Remarks.
1	2	3	4	5	6	7
Jeep	1 no	09/05/2022	-	24-08-2022	-	Reg. No. JOYPURHAT-GHA- 11-0036, Being used by Executive Engineer for future inspection and maintenance of the project.
Motor Cycle	2 no	09/06/2020	-	24-08-2022	-	Reg. No. JOYPURHAT-HA- 21-3920 & JOYPURHAT-HA- 13-9219, Being used by two Sub-Assistant Engineers for future 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/Propoal 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
Package no. JOY-W-01/2019-20 Re-Excavation of Tulshiganga River From Km. (-) 26.500 to Km. (-) 15.500= 11.00 Km. in C/W "Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2019-2020.	Original- 13.62 1 <sup>st</sup> Revised 14.15	14.16	26/11/19	04/03/20	31/01/21; Time extended upto 25/06/21	25/06/21

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/Propo sal 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
<u>Package no. JOY-W-02/2019-20</u> Re-Excavation of Tulshiganga River from Km. (-) 15.500 to Km. (-) 5.000= 10.500 Km. in C/W "Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2019-2020.	Original- 13.00  1 <sup>st</sup> Revised 13.40	14.36	26/11/19	04/03/20	02/03/21; Time extended upto 30/06/21	03/06/21
<u>Package no. JOY-W-03/2019-20</u> Re-Excavation of Tulshiganga River from Km. (-) 5.000 to Km. 5.000= 10.00 Km. in C/W "Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2019-2020.	Original- 12.38  1 <sup>st</sup> Revised 10.65	10.98	26/11/19	01/03/20	31/01/21; Time extended upto 30/04/21	11/04/21
<u>Package no. JOY-W-04/2019-20</u> Re-Excavation of Tulshiganga River from Km. 5.000 to Km. 15.000= 10.00 Km. in C/W "Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2019-2020.	Original- 12.38  1 <sup>st</sup> Revised 13.27	14.00	26/11/19 Re-Tender 10/02/20	17/06/20	13/05/21	04/02/21
<u>Package no. JOY-W-05/2019-20</u> Re-Sectioning of Tulshiganga Left Embankment From km. 0.430 to Km. 15.200= 14.770 Km. in C/W "Re- Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2019-2020.	Original- 12.55  1 <sup>st</sup> Revised 6.85	7.19	26/11/19	03/03/20	31/01/21; Time extended upto 20/04/22	13/04/22
<u>Package no. JOY-W-06/2019-20</u> Re-Sectioning of Tulshiganga Right Embankment From km. 0.000 to Km. 15.900= 15.900 Km. in C/W "Re- Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2019-2020.	Original- 13.51  1 <sup>st</sup> Revised 7.43	7.67	26/11/19	26/02/20	31/01/21; Time extended upto 20/04/22	13/04/22
<u>Package no. JOY-W-07/2020-21</u> Re-Excavation of Little Jamuna River from Km. 0.200 to Km. 11.750 Total 11.550 Km. in Connection with Re-Excavation of Tulshiganga Little Jamuna Chiri & Harabati River of Joypurhat District Project during the FY 2020-2021.	Original- 15.27  1 <sup>st</sup> Revised 12.74	14.99	16/09/20	02/02/21	30/11/21	30/11/21
<u>Package no. JOY-W-08/2020-21</u> Re-Excavation of Little Jamuna River from Km. 11.750 to Km. 23.300 Total 11.550 Km. in Connection with Re-Excavation of Tulshiganga Little Jamuna Chiri & Harabati River of Joypurhat District Project during the FY 2020-2021.	Original- 15.27  1 <sup>st</sup> Revised 14.87	16.27	16/09/20	24/11/20	26/11/21	30/06/21
<u>Package no. JOY-W-09/2020-21</u> Re-Excavation of Harabati River from Km. (-) 16.050 to Km. 0.000 =16.050 km. in C/W "Re-Excavation of Tulshiganga Little Jamuna Chiri & Harabati River of Joypurhat District Project" during the FY 2020-21.	Original- 3.97  1 <sup>st</sup> Revised 4.79	5.02	19/08/20	06/01/21	14/11/21; Time extended upto 30/12/21	30/12/21
<u>Package no. JOY-W-10/2021-22</u> Re-Excavation of Little Jamuna River from Km. 23.300 to Km. 29.425 = 6.125 Km. in Connection with Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District (1st Revised) Project during the FY: 2021-2022.	1 <sup>st</sup> Revised 8.21	7.39	17/10/21	03/01/22	30/05/22	30/05/22

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
<b>Package no. JOY-W-11/2021-22</b> Re-Excavation of Little Jamuna River from Km. 29.425 to Km. 38.800 = 9.375 Km. in Connection with Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District (1st Revised) Project during the FY: 2021-2022.	1 <sup>st</sup> Revised 8.55	7.70	17/10/21	26/12/21	25/05/22	12/05/22
<b>Package no. JOY-W-12/2020-21</b> Re-Excavation of Chiri River from Km.0.000 to Km.21.700 = 21.700 km. in C/W "Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District" Project during the FY: 2020-21	Original- 6.56 1 <sup>st</sup> Revised 6.74	7.31	19/08/20	09/12/20	25/10/21	19/10/21
<b>Package no. JOY-W-13/2021-22</b> Re-excavation of Tulshiganga River from Km. 15.000 to Km. 21.160 = 6.160 Km. in C/W Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District (1st Revised) Project during the FY: 2021-2022.	1 <sup>st</sup> Revised 6.31	5.68	31/10/21	26/12/21	20/05/22	20/05/22
<b>Package no. JOY-W-14/2021-22</b> Re-excavation of Tulshiganga River from Km. 21.160 to Km. 27.500 = 6.340 Km. in C/W Re-Excavation of Tulshiganga, Little Jamuna, Chiri & Harabati River of Joypurhat District (1st Revised) Project during the FY: 2021-2022.	1 <sup>st</sup> Revised 6.97	6.27	31/10/21	30/12/21	20/05/22 Time extended upto 16/06/22	16/06/22

**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 perDPP)	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:**

#### 11. (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
2018-19	112.05	112.05	-	0.91%	0.00	0.00	-	0.00 %
2019-20	4033.55	4033.55	-	32.66%	233.57	233.57	-	1.71 %
2020-21	4657.30	4657.30	-	37.72%	4187.88	4187.88	-	30.69 %
2021-22	3544.51	3544.51	-	28.71%	9225.99	9225.99	-	67.60 %
<b>Total</b>	<b>12347.41</b>	<b>12347.41</b>	<b>-</b>	<b>100.00%</b>	<b>13647.44</b>	<b>13647.44</b>	<b>-</b>	<b>100.00%</b>

#### 11. (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
2018-19	0.00	0.00	-	0.00%	0.00	0.00	0.00	-	0.00%
2019-20	250.00	250.00	-	2.02 %	250.00	233.57	233.57	-	1.89%
2020-21	5000.00	5000.00	-	69.98 %	4200.00	4185.88	4185.88	-	70.11%
2021-22	8600.00	8600.00	-	28.00 %	8600.00	8288.78	8288.78	-	28.00%
<b>Total</b>	<b>13850.00</b>	<b>13850.00</b>	<b>-</b>	<b>100.00%</b>	<b>13050.00</b>	<b>12708.23</b>	<b>12708.23</b>	<b>-</b>	<b>100.00%</b>

\* During FY: 2020-21 funds weren't released as allocated.

### **D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:**

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a) The main objective of this project is to increase agricultural production by providing irrigation facilities to about 57000 hectares of land	Agricultural production has been increased satisfactorily by providing irrigation facilities to about 57000 hectares of land through the implementation of this project.	<b>No shortfall</b>
(b) Ensuring year-round irrigation facilities by increasing the water retaining capacity of rivers	After completion of the project the retention capacity of the rivers have increased. As a result, year-round irrigation facilities are ensured.	

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(c) Reducing flood risk by increasing drainage capacity of rivers	Flood risk of Joypurhat district has been reduced by increasing drainage capacity of the rivers after re-excavation.	
(d) Revitalize the said rivers through re-excavation	The rivers have been revitalized after re-excavation ensuring the required width and depth having sufficient water retention & drainage capacity.	
(e) Ensuring easy communication through navigation by increasing the navigability of rivers	Communication has become easier ensuring navigation facility after re-excavation of the rivers.	
(f) To improve the environment and socio-economic conditions	Environmental and Socio-economic condition of the people of project area has been improved by providing proper irrigation, drainage and navigation facility.	

### **E. BENEEFIT ANALYSIS:**

#### **01. Annual Out-put:**

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-puts during the 1 <sup>st</sup> year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
(a) Benefitted Irrigable land	Hectare	57000.00	The project has just been completed. Actual output values may be assessed after a year from completion.
(b) Incremental paddy production on project area	M ton/Year	77425.50	
(c) Incremental Farm labor.	Man-days	2159000.00	

#### **02. Cost / Benefit:**

Item	Estimated	Actual
(1) Benefit cost of the project		Actual BCR and IRR may be assessed after one year since completion.
(i) Financial	1.64:1.00	
(ii) Economic	2.74:1.00	
(2) Internal rate of return		
(i) Financial	20.83%	
(ii) Economic	34.18%	

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

## F. MONITORING AND AUDITING.

### 01. Monitoring:

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
<b>(a) Ministry / Agency :</b>			
Md. Mominur Rahman Deputy Secretary, MoWR.	16/10/20	Not found	Physical Progress need to be increased and works should be done according to proper design & specification
Md. Ehtesham Reza Deputy Secretary, MoWR.	19/11/20 01/03/21 23/10/21	Not found	Auctioned soil to be removed from the project area with the help of the local administration, trees from the river side of embankment should be removed for resectioning work with the help of the district administration and after the completion of the project plantation should be done as per advice of the forest department.
Md. Habibur Rahman Additional Director General, BWDB.	13/11/20	Not found	Physical works should be completed within stipulated time according to design & specification.
MD. Mahmudur Rahman Member, JRC	03/06/22	Not found	Physical works should be completed within stipulated time according to design & specification.
S.M. Rezaul Mostofa Kamal Joint Secretary, MoWR	07/10/21	Ongoing foundation treatment works were not satisfactory. These works need to be done carefully consulting with bridge authorities and BWDB's design wing.	The work must be completed according to specific work plan following proper specification and design within the stipulated period of time; the pre-work and post-work pictures should be preserved. Turfing on the embankments with proper levelling & dressing and trees should be planted in the project area.
Mohammed Mobassherul Islam Deputy Secretary, MoWR.	07/10/21		
Dr. Laila Akhter Deputy Chief, Planning Commission.	07/10/21		
Mohd. Enamul Haque Joint Chief, Planning Commission.	07/10/21		
Shibir Bicitro Barua Deputy Chief, Planning Commission, MoWR			
A.K.M. Shafiqul Haque Chief Engineer, Rajshahi Zone, BWDB.	Several times	Not found	Works should be done according to design & specification and excavated soil should be auctioned
Md. Zohirul Islam Chief Engineer, Rajshahi Zone, BWDB.	Several times	Not found	Works should be done according to design & specification and excavated soil should be auctioned
Tariq Abdullah Al Fayyaz PD & Superintending Engineer, Bogura O&M Circle, BWDB, Bogura.	Several times	Not found	Physical works should be completed within stipulated time according to design & specification.
Md. Shahjahan Siraj. PD & Superintending Engineer, Bogura O&M Circle, BWDB, Bogura.	Several times	Not found	Physical works should be completed within stipulated time according to design & specification and excavated soil should be auctioned
<b>(b) IMED:</b>			

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
Md. Afzal Hossan Director General (Joint Secretary) Implementation Monitoring & Evaluation Division (IMED)	07/10/21	Not found	The work must be completed according to specific work plan following proper specification and design within the stipulated period of time
<b>(c) Others (Please specify):</b>			
A.F.M. Abu Sufian Upazilla Nirbahi Officer, Khetlal, Joypurhat	Several times	Not found	Excavated soil of river excavation should be auctioned and remaining soil should be used for various development purposes.

## 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	-	-	-
2019-20 & 2020-21	10/02/22	Bill Payment without taskforce pre & post work measurement report Irregular payment of earth cutting using manual labor Excess payment beyond IWM or taskforce post measurement report Bill payment of external item which is not included in DPP	Reply to the audit objection has been submitted through competent authority to the directorate of audit and it is in process to be resolved.
2021-22	Yet to be conducted	-	-

## G. DESCRIPTIVE REPORT

### General Observations/Remarks of the Project on:

#### 1.1 Background

Joypurhat district is known as the granary of Bangladesh. This district is well known and ranks on top in Bangladesh in production of all types of agricultural products. The economy of Joypurhat is mainly based on the production of seasonal fruits like mango, jackfruit, and banana and crops like paddy, potato, wheat, onion, garlic, etc. A large amount of sugarcane is produced here and the largest sugar mill of the country is established here. Also, there are many paddy and poultry farms in this district. Every day a huge number of agricultural products are exported to different countries of the world. The rivers of Joypurhat district play an important role in the production and transportation of agricultural products. Many beels are connected with Tulshiganga, Little Jamuna, Chiri and Harabati rivers. The name of the connected beels are Haowi Beel (Khetlal and Akkelpur upazila) Hastar Beel (Akkelpur), Acharanga Beel (Khetlal), Ratan/Sanuar Beel (Panchbibi), Penchlia/Dogachi Beel (Joypurhat Sadar), Ramsala Beel (Akkelpur) Malbit Beel (Akkelpur and Naogaon), Paddabila Beel (Akkelpur), Ganeshpur Beel (Panchbibi), Baguan Beel (Panchbibi), Shoulgari Beel (Joypurhat Sadar) etc. The Beels are connected to the rivers through various channels and spread out throughout the district area like a net. A huge amount of crops are produced in these bills during the dry season. The river water is used in irrigation for crop production and drainage facility of the beel area has been achieved after excavation of rivers.

Before implementation of the project due to insufficient flow during the dry season and deposition of sediment the river bed was raised up. The rivers have never been excavated before. As a result, the rivers become almost dead during the dry season. The water retaining capacity of the rivers was not sufficient. Having heavy rainfall during the monsoon, the river water overflows the bank easily and caused floods. Agricultural lands, roads, homesteads, and bazars went under water by floods. On the other hand, during the dry season, irrigation activities are disrupted due to lack of water. Water transport was disrupted due to the navigability crisis. Due to the illegal possession of rivers by some local people, the rivers width decreased and became narrower.

Little Jamuna River flows through Panchbibi Upazila, Joypurhat Sadar Upazila of Joypurhat district and Naogaon District. Tulshiganga starts from river Dinajpur district and flowing through Panchbibi, Joypurhat Sadar, Khetlal, Akkelpur upazila of Joypurhat district and Dinajpur district falls in Naogaon district. Chiri River extends from Joypurhat Sadar Upazila to Akkelpur Upazila. Harabati River extends from Panchbibi to Joypurhat Sadar Upazila. The mentioned rivers form an inter-connectivity among the mentioned places. Flood protection and navigability problems may be solved by achieving the normal width and depth of river by re-excavation. Water drainage system will also be improved. Development of water drainage system will increase the amount of cultivable land in the Beel area. In addition, it will be possible to ensure low-cost naval transportation throughout the year, which will play an effective role in the socio-economic and moral development of the area.

Construction of embankment on the left and right banks of Tulshiganga River is a project which was implemented earlier in Joypurhat district. After implementation of the embankment no rehabilitation work of the embankments was undertaken. The normal height and slope of the embankment was decreased in many places due to the erosion of the surface by rainfall and thrust of flood water. The most part of the embankments was not in a position to control flood. As a result, the area adjacent to the river was under threat of flooding during the monsoon. To overcome the prevailing situation rehabilitation of the embankment was urgently needed. Divisional Commissioner, Rajshahi and Deputy Commissioner, Joypurhat issued a letter in this regard.

The Honorable Prime Minister of the Government of the People's Republic of Bangladesh during her visit in Joypurhat District on 22/01/2012 gave kind assurance to approve the project titled "Re-excavation of the rivers of this district for flood control as well as to improve drainage system and enhance irrigation system" addressing a public meeting at the Circuit House ground.

In order to solve the problem, Bangladesh Water Development Board had formed a technical committee to examine the feasibility of re-excavation of the rivers. The technical committee recommended to prepare a project proposal (DPP) titled "Re-excavation of Tulshiganga, Little Jamuna, Chiri and Harabati Rivers of Joypurhat District" including re-excavation of (a) Tulshiganga river (length 41.50 km) b) Little Jamuna River (length 23.10 km) c) Chiri river (length 21.70 km) d) Harabati river (length 16.05 km) and e) re-sectioning of Tulshiganga left and right embankments (length 30.67 km).

### **1.2 Justification/Adequacy:**

Majority of the people of the project area are dependent on agriculture. Besides, some are engaged in various businesses e.g., fish farming, poultry industry and other cottage industries. If the project is implemented, the maritime transport system will be improved. Irrigation in agriculture will be easier and cheaper providing river water. River pollution situation will also improve. Protection and flow of river from illegal encroachment will be ensured. The environment of the area will be improved. Besides, if it is possible to properly observe various religious and cultural events centered on the river, there will be development of peace, harmony and mutual good relationship among the people of the area. In addition, the social security of the area and the development of national economic conditions will be achieved, while poverty alleviation and employment opportunities will be created. This will have a positive impact on the environment.

### **1.3. Objectives:**

- ❖ To increase agricultural production by providing irrigation facilities to about 57,000 hectares of land.
- ❖ To ensure year-round irrigation facilities by increasing the water retaining capacity of rivers.
- ❖ To reduce flood risk by increasing drainage capacity of rivers.
- ❖ To rejuvenate the rivers through re-excavation.
- ❖ To ensure easy communication through navigation by increasing the navigability of rivers.
- ❖ To improve the environmental and socio-economic conditions.
- ❖ To make the projects completed in the past more effective and fruitful.

#### **1.4. Project revision with reasons:**

At the time of formulation of DPP the project area was limited to the area of Joypurhat O & M sub-division office under Bogura O & M division. Later in the year 2016, according to BWDB decision, the Joypurhat O & M sub-division was converted to the Joypurhat Water Development Division office and as a result the working area of the former Joypurhat O & M sub-division increased to the administrative area of the district. Later in 2019 the DPP was approved in ECNEC meeting named "Re-excavation of Tulshiganga, Little Jamuna, Chiri and Harabati Rivers of Joypurhat District" submitted by newly formed Joypurhat Water Development Division office. Under the project total river excavation work was 102.35 km and embankment resectioning work 30.67 km but that excavation work was not extended upto borders of Joypurhat district. After implementation of majority works under this project, a calculation showed that some money would be saved from the project which would be used in additional re-excavation works. It is noted that the project money is saved due to acceptance of tenders at 10% lower than the estimated cost, difference of earth volume between office measurement and task force measurement and from the correction of undesirable errors due to survey during the preparation of the DPP in the estimation of resectioning work of Tulshiganga flood control embankment. In the 2nd Steering Committee meeting of the project held on 01/08/2021 and review meeting held on 13/10/2021 decided to submit proposal for recast of DPP to include re-excavation of 15.5 km downstream of Little Jamuna River and 12.5 km downstream of Tulshiganga river upto Joypurhat district boundary and extending the project period upto June, 2022.

According to the decision, the 1<sup>st</sup> revision of the DPP including 28 km additional re-excavation costing 13647.44 lac submitted to MoWR through competent authority. Then according to MoWR memo no. 42.00.0000.041.14.018.19-158 dated: 09/12/2021 the administrative approval of the 1<sup>st</sup> revision of the project was given.

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

Bangladesh is a riverine country and flood has been a recurrent problem. The monsoon discharge of the major rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. The loss of land, crop and property has led to landlessness and impoverishment of thousands of dwellers living within bank lines. In recent years, the flood adjacent to the river area of the Joypurhat district was severe. As a result, the existing crops and wealth of local people was damaged due to overflow of water through river bank. Besides, insufficient flow during the dry season and sedimentation caused the river bed to fill up which reduces the water retaining capacity of the rivers. As a result, irrigation activities are disrupted due to lack of water. Water transport was disrupted due to the navigability crisis. In this circumstance the re-excavation of the rivers of Joypurhat district was needed.

The proposed Project has been prepared as per recommendation of feasibility study report prepared by BWDB's Technical Committee. The project covering an area of 57,000 hectare located in Joypurhat District and the physical work was done according to BWDB's approved design and specification. As,

the monsoon in Bangladesh is from June to September mainly, effective working period prevails about 7/8 months in a year. This project duration was about 4 year and works of the project has been completed within stipulated time.

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

#### **◆ Project Identification:**

The Honorable Prime Minister of the Government of the People's Republic of Bangladesh during her visit in Joypurhat District on 22/01/2012 gave kind assurance to approve the project titled "Re-excavation of the rivers of this district for flood control as well as to improve drainage system and enhance irrigation system" addressing a public meeting at the Circuit House ground. The project is located in Joypurhat district; upazilla: Sadar, Panchbibi, Akkelpur and Khetlal. Main component of this project is re-excavation of river 130.35 km, Re-sectioning of embankment 30.67 km.

#### **◆ Project Preparation:**

The Project has been prepared according to the recommendation of technical committee formed by BWDB dated 21/04/2015.

#### **◆ Appraisal:**

PEC Meeting was held on 24-07-2018 in planning commission & according to decision of the meeting DPP was recast and sent to competent authority. Finally, as per decision of ECNEC meeting, held on 05/03/2019, Honorable Prime Minister approved the project and administrative approval was found from MoWR on 19/06/2019 via memo no. 42.00.0000.041.14.018.19-201.

#### **◆ Credit Negotiation: Not Applicable.**

#### **◆ Credit Agreement: Not Applicable.**

#### **◆ Credit Effectiveness: Not Applicable.**

#### **◆ Loan Disbursement: Not Applicable.**

#### **◆ Loan Conditionality: Not Applicable.**

#### **◆ Project Approval:**

The Project was approved by ECNEC on 05/03/2019 and 1<sup>st</sup> Revised DPP was approved by Honorable State Minister, MoWR on 09/12/2021.

#### **◆ 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 stakeholders are directly taking advantages of the created facilities of the project.



**4.3 O & M programme of the project.**

After complementation of the project major repair/rehabilitation works will be accomplished from regular O&M budget of BWDB.

**4.4 Impact of the project -**

**4.4.1 Direct.**

- The agricultural production will be enhanced by an additional amount of 77,425.50 metric tons per year by creating irrigation facilities on about 57,000 hectares of land.
- Improvement of water retaining capacity of rivers by re-excavation of 130.35 km of river which improves drainage capacity and controls flood of Joypurhat District.

**4.4.2. Indirect**

- Safety of human livelihood and properties.
- Improvement of socio-economic condition.

**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 project implementation period.

**4.7 Possibility of Self employment**

There are possibilities of self-employment as the cultivable area are increased due to proper irrigation. People will be encouraged for crop production at low cost.

**Possibility of women-employment opportunity**

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

**4.8 Women's participation in development**

Yes.

**4.9 Probable Impact on Socio-Economic activity.**

Ensuring easy communication through navigation by increasing the navigability of rivers;  
As a result, socio-economic balance in the locality is enhanced.

**4.10 Impact on environment**

Environmental enhancement is achieved through the implementation of the project.

**4.11 Sustainability of the project**

The project is sustained but requires periodic maintenance.

**4.12 Contribution to poverty alleviation/reduction**

The project has direct contribution and impact on poverty alleviation/reduction.

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

Positive remarkable comments are got from all stake holders like public representatives, local elite, local administration, teachers, religious leaders, women's representatives regarding the project.

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

Not Applicable.

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

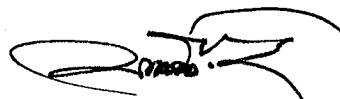
<b>Project Management</b>	: N/A.
<b>Project Director</b>	: N/A.
<b>Land Acquisition</b>	: N/A.
<b>Procurement</b>	: N/A.
<b>Consultancy</b>	: N/A.
<b>Contractor</b>	: N/A.
<b>Manpower</b>	: N/A.
<b>Law &amp; Order</b>	: N/A.
<b>Natural calamity</b>	: N/A.
<b>Project financing, allocation and release</b>	: Inadequate fund allocation during FY: 2020-21 & partial release of it.
<b>Design formulation/approval</b>	: N/A.
<b>Project aid disbursement and re-imbursement</b>	: N/A.
<b>Mission of the development partners.</b>	: N/A.
<b>Time &amp; Cost Over-run</b>	: As mentioned in B-01 & B-02.
<b>Project Supervision/Inspection</b>	: N/A.
<b>Delay in Decision</b>	: N/A.
<b>Transport</b>	: N/A.
<b>Training</b>	: N/A.
<b>Approval</b>	: N/A.
<b>Others</b>	: N/A.

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

The project is a commitment project of the Honorable Prime Minister, Government of the People's Republic of Bangladesh. The project work has been completed satisfactorily within stipulated time period. After implementation of the project additional 77,425.50 metric tons of crop per year of will be achieved by providing irrigation facilities to about 57,000 hectares of land. Fisheries production, flood control & drainage improvement of Joypurhat district will be ensured. Besides, poverty alleviation in project areas, employment opportunity and socio-economic balance in the locality will be enhanced. Due to implementation of the

project, physical safety and sense of security among the people of the project area have been developed. Communication through water ways has been developed due to increase of river navigability. The project area will be gradually urbanized and the government and various NGOs will be interested to invest in the area. New roads, schools, colleges, haat bazars, modern markets, office buildings, agricultural and industrial cities and other infrastructure will be built. This will ensure socio-economic development of the area. The living standard as well as the purchasing capacity of the people within the project area will be increased. Due to social, economic and environmental up gradation a touch of modernity will be developed. The Project is specifically linked with SDGs, Seventh Five Year Plan on Water Management 2021 and Bangladesh Vision Plan 2010-2021. The Ministry of Water Resources has been engaged in all programs relating to water sector development and management. The project is become very much environment friendly. Remarkable thing is that to develop water basin surrounding Tulshiganga, Little Jamuna, Chiri and Harabari River system future projects will have to be undertaken to ensure a long-time solution of water logging and mitigate flood problems of this western part of Bangladesh. Proper Monitoring and regular maintenance of the river excavation work are required for sustainability of the project goal.

Date: 22.09.2022



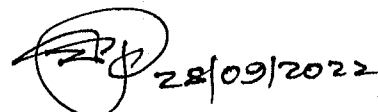
Signature and seal of the Project Director

(Md. Shahjahan Siraj)  
Superintending Engineer  
Bogura O & M Circle  
BWDB, Bogura.

#### 07. Remarks/ Comments of Agency Head.

The project has been taken up according to the commitment of the Honorable Prime Minister, Government of the People's Republic of Bangladesh. After implementing this project, about 57000 hectares of land came under irrigation coverage which will result in an additional 77,425 metric tons of crop production per year. This project also improves flood control and drainage conditions in the Joypurhat district. As a result, the livelihood of the people living in the project area has improved significantly.

Date: .....



Signature and seal of the agency head

(FAZLUR RASHID)  
Director General  
BWDB, Dhaka.

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

The project is a commitment project if the Honorable Prime Minister, Government of the People's Republic of Bangladesh. Agriculture production of 77425.50 metric tons has been increased satisfactorily by providing irrigation facilities to about 57000 hectares of land through the implementation of this project. By re-excavation of 130.35 km of river the retention capacity of the rivers has increased ensured the year round irrigation facilities, improvement of drainage capacity and flood controls of Joypurhat District. Poverty will be alleviated from the project area and regional disparity will be reduced. Regular maintenance should be ensured for the sustainability of the project.

Date: .....

Signature and seal



