

# BANGLADESH WATER DEVELOPMENT BOARD



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

Name of the Project: Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone).

Project Period: July 2010 to June 2015.

Name of the Zone : South-Western Zone, BWDB, Khulna.

**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** : Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone).
02. **Administrative Ministry/Division** : Ministry of Water Resources (MoWR).
03. **Executing Agency** : Bangladesh Water Development Board (BWDB).
04. **Location of the Project** :

Division	District	Upazila
1	2	3
Khulna	Khulna	Dumuria, Dighalia, Dacope, Batiaghata, Paikgacha, Rupsha & Khulna Sadar
	Satkhira	Satkhira Sadar, Debhata, Ashashuni, Kaligonj, Shyamnagar, Tala & Koyra
	Bagerhat	Bagerhat Sadar, Morrelgonj, Sharonkhola, Rampal, Fakirhat, Mollahat, Chitolmari & Kachua

05. **Objective of the Project** :

The Main objectives of the project are:

- To rehabilitate/repair BWDB infrastructures under 43 Nos. polders/sub-projects in the South-Western zone damaged by Cyclone Aila 2009.
- To bring the damaged structures in operational condition for ensuring the desired benefits of the polders/sub-projects.
- To address the midterm Cyclone Aila Rehabilitation Programme.

06. **Estimated Cost** :

**(In lakh Taka)**

	Original	Latest Revised
(a) Total	31538.46	37754.61
(b) Taka	31538.46	37754.61
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval : 

PCP	PP
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(a) Original : 10.11.2010

(b) Latest Revised : 26.05.2013

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	July, 2010	June, 2013
(b) Latest Revised	July, 2010	June, 2015
(c) Actual	July, 2010	June, 2015

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
N/A							

b) GOB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
37754.61	-	37754.61	-

9.2 Utilization of Project Aid : (Source wise)

(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
N/A						

9.3 Re-imbursible Project Aid (RPA):

(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
N/A					

## **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
From July, 2010 to June, 2013	From July, 2010 to June, 2015	From July, 2010 to June, 2015	66.67%	

### **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	31538.46	37754.61	35899.97	13.83%	
TAKA	31538.46	37754.61	35899.97	13.83%	
PA	-	-	-	-	

### **03. Project Personnel:**

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		
1	2	3	4	5	Male	Female
Officer (s)	Existing manpower of the implementing agency were deployed during execution of the project.					
Staff(s)						
Total :						

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

Field of Training /Study tour/workshop/ 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 PP) :

(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>(a) Revenue component:</b>						
Survey & Investigation	L.S.	45.00	1 Item	*42.54	1 Item	
Office Stationaries	L.S.	8.00	1 Item	8.00	1 Item	
Petrol & Lubricant for vehicles	L.S.	20.00	1 Item	19.98	1 Item	
Printing and Publications	L.S.	10.00	1 Item	10.00	1 Item	
Honorium of TEC, TOC and Steering Committee	L.S.	3.00	1 Item	2.90	1 Item	
Maintenance of vehicle	L.S.	5.00	1 Item	5.00	1 Item	
<b>Sub-Total (Revenue)</b>		<b>91.00</b>		<b>88.42</b>		
<b>(b) Capital Component:</b>						
Purchase of Vehicles-1 No. 4W Jeep 1 No. pick up	Nos.	73.70	2 nos.	73.70	2 nos.	
<b>Equipment and accessories:</b>						
i) Photocopier 2 Nos.	Nos.	2.50	2 nos.	2.50	2 nos.	
ii) Fax 1 No.	No.	0.24	1 no	0.24	1 no	
<b>Computer and accessories:</b>						
i) Computer (Brand) with Laser printer	Nos.	1.95	2 nos.	1.94	2 nos.	
ii) Laptop computer	No.	1.00	1 no	1.00	1 no	
iii) Multimedia Projector	No.	0.97	1 no	0.97	1 no	
<b>Construction of works:</b>						
Construction of Embankment	Km	2561.82	40.243 km.	2481.78	40.243 km.	
Resectioning of Embankment	Km	6581.71	435.225 km.	6536.07	435.225 km.	
Construction of Regulators	Nos.	3941.38	15nos.	*3692.52	15 nos.	
Construction of Drainage Outlets	Nos.	141.45	05 nos.	92.38	05 nos.	
Repair of Regulators	Nos.	438.02	33 nos.	288.21	33 nos.	
Repair of Sluices	Nos.	579.55	69 nos.	*579.55	69 nos.	
Construction of Bank Protective Works	Km	5610.74	4.492 km.	5182.19	4.492 km.	
Construction of Slope Protective Works	Km	6396.62	24.89 km.	6376.62	24.89 km..	
Repair of Bank Protective Works	Km	377.10	0.387 km.	227.16	0.387 km.	
Repair of Slope Protective Works	Km	362.46	0.385 km.	226.20	0.385 km.	
Construction of Closure/Breach Closing	Nos.	10592.40	20nos.	10048.52	20nos.	
<b>Sub-Total (Capital)</b>		<b>37663.61</b>		<b>35811.55</b>		
<b>(c) Physical Contingency:</b>						
<b>(d) Price Contingency :</b>						
<b>Grand total: (a+b+c+d)</b>		<b>37754.61</b>	<b>100.00%</b>	<b>35899.97</b>	<b>99.50%</b>	

\*These figures are revised from that shown in IMED-05/2003 report for the month June/2015.

**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
1. Md. Gias Uddin Ahmed Superintending Engineer (25750-33750)		Part time	Yes	10-02-2010	16-04-2011	
2. Md. Gias Uddin Ahmed Chief Engineer (33500-39500)		Part time	Yes	17-04-2011	16-07-2013	
3. Abul Kalam Azad Superintending Engineer (25750-33750)		Part time	Yes	16-07-2013	02-10-2014	
4. Zulfikar Ali Howlader Superintending Engineer (25750-33750)		Part time	Yes	02-10-2014	03-02-2015	
5. Md. Bazlur Rashid Superintending Engineer (25750-33750)		Part time	Yes	03-02-2015	Till to date	

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

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferre d to O & M with date	Condemned/ damaged with date	Remarks
1	2	3	4	5	6	7
Car						
Jeep	1	29/05/2011		31/05/2011		
Microbus						
Minibus						
Bus						
Pick-up	1	25/04/2012		28/06/2012		
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 :

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
নলীয়ান নদীর বাম তীরের: বাঁধ নির্মাণ: ২.৫৫০ হতে কিমি ৬.৪৮০ = ৩.৯৩০ কিমি (প্যাকেজ নং ০২/খু২/পি-৩২-০৩)	4.57	4.57	03.09.10	28.10.10	02.04.11	02.04.11
নলীয়ান নদীর বাম তীরের ওড়ামুখি খাল ব্রীচ ক্রোজিং : কিমি ৬.৫১০ হতে কিমি ৬.৬৩০ = ০.১২০ কিমি এবং ৭৫ মিটার এ্যাপ্রোচ বাঁধ (ডান এ্যাপ্রোচ = ৪৫ মিটার ও বাম এ্যাপ্রোচ = ৩০ মিটার) (প্যাকেজ নং ০২/খু২/পি-৩২-১১)	5.75	5.75	03.09.10	02.11.10	06.03.11	31.08.12
Construction of Golbunia Closure at KM 7.451 (115m) including 250m approach embankment (Right 100m and Left 150m) in Polder no. 32 during the year 2010-11. Package No. 08/KHU2/P-32-01	10.40	10.40	03.09.10	14.12.10	31.03.11	31.03.11
Construction of Retired Embankment from KM 14.530 to KM 15.930 = 1.400 KM with 2 (two) nos. breach closing (from KM 14.980 to KM 15.020 = 40 M & from KM 15.530 to KM 15.560 = 30M) and Jaliakhali closure (from KM 15.290 to KM 15.360 = 70M) in Polder no. 32 under REHABILITATION OF BWDB INFRASTRUCTURES DAMAGED BY CYCLONE AILA IN COASTAL AREA (SOUTH-WESTERN ZONE) during the year 2010-11. Package No.09/KHU2/P-32-01.	3.37	3.37	05.12.10	20.12.10	31.03.11	31.03.11
Slope Protection work of Embankment from km.9.800 to km.10.315=515m in Polder No.31 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone) during the year 2011-12. Package No. 02/KHU2-P-31 (SP)/08/11-12	2.25	2.25	29.09.11	02.02.12	03.06.12	03.06.12
Slope Protection of embankment along the left bank of the Shibsha river from km.0.895 to km.1.095=200.00 & km.49.300 to km.49.600 =300.00m (Total=500.00m) in Polder No.32 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone) during the year 2011-12. Package No. 02/KHU2-P-32 (SP)-09/11-12	2.10	2.10	29.09.11	02.01.12	30.05.12	19.02.13
Construction of Gunari Regulator (3-V-1.50m x 1.80m) replacement of pipe sluice at km.5.220 in Polder No. 32 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone) during the year 2011-12. Package No. 04/KHU2-P-32 (REG)/01/11-12	2.70	2.70	04.12.11	12.02.12	15.08.12	15.08.12
Construction of Joynager Regulator (3-V-1.50m x 1.80m) replacement of pipe sluice at km.9.700 in Polder No. 32 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone) during the year 2011-12. Package No. 04/KHU2-P-32 (REG)/02/11-12	2.95	2.95	04.12.11	12.02.12	15.08.12	30.06.13

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
Construction of Suterkhali Regulator (2-V-1.50m x 1.80m) replacement of 5-V 900mm dia pipe sluice at km.26.637 in Polder No. 32 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in Coastal Area (South-Western Zone) during the year 2011-12. Package No. 04/KHU2-P-32 (REG)/03/11-12	2.15	2.15	04.12.11	22.02.12	15.08.12	15.04.13
Construction of Closure at Chakla in Polder No.7/1 from Km. 7.800/0.200 to 7.800/0.305 = 105m with approach embankment from Km. 7.800/0.000 to Km. 7.800/0.200 = 200m & Km. 7.800/0.305 to Km. 7.800/0.575 = 270m total = 470m damage by Cyclone "AILA" under NDR Budget during the year 2009-10 (Package No. 04/03)	4.29	4.29	21-11-09	29-12-09	31-03-10	30-06-11
Construction of Closure at Matbari in Polder No. 13-14/2 at Km 76.700/0.250 to 76.700/0.370 for length of 120 with approach embankment from Km. 76.700/0.000 to Km. 76.700/0.620 = 500m damage by Cyclone "AILA" under NDR Budget during the year 2009-10 (Package No. 04/08).	16.23	16.23	24-12-09	08-06-10	31-03-11	15-12-11
Construction of Closure at Diglaraiht (Chuibaria) in Polder No. 7/1 from Km. 8.600/2.000 to 8.600/2.175 = 175m with approach embankment from Km. 8.600/1.700 to Km. 8.600/2.000 & Km. 8.600/2.175 to Km. 9.500/2.675 = 800m damage by Cyclone "AILA" under NDR Budget during the year 2010-2011 (Package No. 03/01).	7.17	4.20	14-07-10	20-10-10	29-01-11	30-06-11
Construction of Closure at Shikaribari in Polder No.13-14/2 from Km. 41.600/0.300 to 41.600/0.450 (150m) and Km 41.600/0.600 to 41.600/0.670 (70m) for length of 220m with approach embankment from Km. 41.600/0.000 to Km. 41.700/0.790 = 570m damage by Cyclone "AILA" under NDR Budget during the year 2010-2011 (Package No. 03/02)	6.44	6.44	14-07-10	10-12-10	29-01-11	31-08-12
Construction of Closure at Padmapukur in Polder No.14/1 from Km 8.080/0.295 to Km. 8.080/0.425 = 130m with approach embankment from Km. 8.080/0.000 to Km. 8.380/0.990 = 860m Damage by Cyclone "AILA" under NDR Budget during the year 2010-2011. (Package No. 03/05)	7.66	6.32	14-11-10	19-12-10	19-03-11	14-12-11
Construction of closure from Km. 18.650/0.350 to Km. 18.650/0.510 for length 160m with approach embankment (both side of the closure) from Km. 18.650/0.000 to Km. 18.650/0.350 & Km. 18.650/0.510 to Km. 18.950/1.598 = 1438m in Polder No. 14/1 at Patakhali in Upazila- Koyra, Dist.- Khulna under Rehabilitation of BWDB Infrastructures Damaged by Cyclone AILA in Coastal Area (South Western Zone) Project during the year 2011-2012	19.69	19.69	05-01-12	29-01-12	27-05-12	31-12-13
Construction of bank protective work from Km. 90.000 to Km. 90.400 = 400m at Kathkata in Polder No. 13-14/2 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone AILA in Coastal Area (South-Western Zone) Project during	7.06	7.06	25-09-11	18-12-11	22-06-12	30-06-15



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
the year 2011-2012 (Package No. 05/01).						
Construction of Protective work from Km. 8.200 to Km. 8.400 = 200m at Chakla & Km. 16.700 to Km. 16.800 = 100m at Patakhali total length = 300m in Polder No. 7/1 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone AILA in Coastal Area (South-Western Zone) Project during the year 2011-2012 (Re-Tender No. 05/2011-12-OTM, Package No. 05/04)	3.45	3.45	10-01-12	19-06-12	21-12-12	30-06-15
Construction of Protective work at Khajra from km 45.000 to km 45.200 = 200 m in Polder no 7/2 under Rehabilitation of BWDB, Infrastructures Damaged by Cyclone "AILA" in Coastal Area (South-Western Zone) Project during the year 2011-2012 (Tender No. 07/2011-12-OTM, Package No. 07/01)	2.32	2.32	10-01-12	21-03-12	08-08-12	30-06-15
Construction of bank protective work from Km. 90.500 to Km. 90.900 = 400m at Kathkata in Polder No. 13-14/2 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone AILA in Coastal Area (South-Western Zone) Project during the year 2011-2012 (Package No. 07/03).	6.74	6.74	21-11-11	26-02-12	27-08-12	30-06-15
Construction of closure at chalkbara from km. 24.975/0.143 to km. 24.975/0.273 for length 94m. with approach embankment from km. 24.920 to km. 24.975, km. 24.975/0.000 to km. 24.975/0.143 and km. 24.975/0.237 to km. 25.150/0.355 total length 316m. in Polder No. 15 Damaged by Cyclone Aila during the year 2010-11. (Package No: Sat-1/01/01) (2010-11)	3.30	3.30	14/07/2010	10/10/2010	29/01/2011	26/11/2011
Construction of closure at 9 no. Sora from km 2.700/0.092 to km 2.700/0.190 for length 98m with approach embankment from km 2.7000/0.000 to km 2.700/0.092 and km 2.700/0.190 to km 3.000/0.560 Total 462m in Polder No. 15 Damaged by Cyclone Aila during the year 2010-11. (Package No: Sat-1/01/02) (2010-11)	3.30	3.30	14/07/2010	10-10-2010	29/01/2011	30/12/2011
Construction of 15-vent (1.50m x 1.80m) drainage cum flushing regulator over Sankra Khal at Km. 51.480 in Polder No. 01 Under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South-Western Zone) Project during the year 2011-12 & 2012-13. (Package No: Sat-1/01/01) (2011-12)	10.73	10.73	21/08/2011	27-12-2011	01/08/2013	30/04/2015
Construction of regulator DS-18 (4-vent: 1.50m x 1.80m) over Chuna River at Km. 90.600 in Polder No. 05 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South-Western Zone) Project during the year 2013-14. (Package No: Sat-1/03/02) (2013-14)	4.00	3.99	03-11-2013	07-01-2014	06/07/2014	30/06/2015
Construction of Permanent Protective work by CC block at Left bank of Ichamati River from km 3.845 to km 4.145=300m at Kharat in Polder No. 3 Under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2010-11. (Package No: Sat-	2.85	2.85	17/01/2011	21/03/2011	24/07/2011	30/06/2015

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
1/06/01) (2010-11)						
Construction of Permanent Protective work by CC block at Left bank of Ichamati River from km 18.900 to km 19.200=300m at Town serepur in Polder No. 3 Under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2010-11. (Package No: Sat-1/06/01) (2010-11)	2.90	2.90	17/01/2011	20-03-2011	24/07/2011	30/06/2015
Construction of embankment slope protection work by CC block from km 23.850 to km 24.366=516m at Kalibari in polder No. 15 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2010-11. (Package No: Sat-1/06/05) (2010-11)	2.15	2.15	17/01/2011	21/03/011	25/07/2011	31/11/2012
Construction of Permanent Protective work by CC. block at Left bank of Ichamati River from km 49.248 to km 49.447= 163.00m at Komarpur in Polder No. 01 Under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2010-11. Package No: Sat-1/02/01) (2011-12)	2.25	2.25	02-11-2011	29-01-2011	15/06/2012	15/07/2013
Construction of river bank protective work by CC block from km 104.320 to km 104.7025 = 382.50m at Nildumur (Burigoalini) in Polder No. 5 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2011-12. (Package No: Sat-1/05/01) (2013-14)	5.23	5.22	29-11-2013	02-01-2014	12/06/2014	30/06/2015
Construction of river bank & embankment slope protection work by CC block from km 23.619 to km 23.810 = 191.00m at Kalibari in Polder No. 15 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2011-12. (Package No: Sat-1/02/11) (2011-12)	2.12	2.12	02-11-2011	26-01-2012	15/06/2012	15/06/2013
Construction of river bank protective work by CC block from km 104.148 to km 104.320 = 172.00m and km 104.7025 to km 104.9605 = 258.00m Total 430.00 m at Nildumur (Burigoalini) in Polder No. 5 under Rehabilitation of BWDB Infrastructures Damaged by Cyclone Aila in coastal area (South Western Zone) Project during the year 2011-12. (Package No: Sat-1/01/01) (2013-14)	6.00	5.99	21-10-2013	11-12-2013	29/06/2014	30/06/2015

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

Name of the Field	Approved man month		Actual man month utilised	Remarks
	As per PP	As per contract		
1	2	3	4	5

a) Foreign : Nil

b) Local : Nil

**09. Construction/Erection/Installation Tools & Equipment :**

Description of items	Quantity (as per 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
N/A						

**C. FINANCIAL AND PHYSICAL PROGRAMME :**

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

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP				Financial provision & physical target as per latest revised PP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2010-11	15396.13	15396.13		45.82	7180.72	7180.72		19.02
2011-12	9316.70	9316.70		29.54	6489.66	6489.66		17.19
2012-13	6825.63	6825.63		24.64	4000.00	4000.00		10.59
2013-14	-	-		-	12060.45	12060.46		31.94
2014-15	-	-		-	8023.78	8023.77		21.25
<b>Total</b>	<b>31538.46</b>	<b>31538.46</b>		<b>100.00</b>	<b>37754.61</b>	<b>37754.61</b>		<b>100.00</b>



**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
2010-11	7200.00	7200.00		36.13	7200.00	7180.72	7180.72		16.58
2011-12	6492.00	6492.00		18.73	6492.00	6489.66	6489.66		38.88
2012-13	6485.00	6485.00		17.56	6485.00	6481.24	6481.24		17.55
2013-14	8420.00	8420.00		17.32	8420.00	8417.51	8417.51		16.73
2014-15	7477.00	7477.00		10.26	7477.00	7330.84	7330.84		9.76
<b>Total</b>	<b>36074.00</b>	<b>36074.00</b>			<b>36074.00</b>	<b>35899.97</b>	<b>35899.97</b>		<b>99.50</b>

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

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
<p>The Main objectives of the project are:</p> <ul style="list-style-type: none"> <li>To rehabilitate/repair BWDB infrastructures under 43 Nos. polders/sub-projects in the South-Western zone damaged by Cyclone Aila 2009.</li> <li>To bring the damaged structures in operational condition for ensuring the desired benefits of the polders/sub-projects.</li> <li>To address the midterm Cyclone Aila Rehabilitation Programme.</li> </ul>	Objectives have been achieved by the implementation of the project	

**E. BENEFIT ANALYSIS**

**01. Annual Out-put:**

The devastating cyclone Aila struck the south-western coastal region of Bangladesh and eastern coast of the neighboring West Bengal province of India at midday on 25 May 2009. Aila was the deadliest cyclone so far in 2009. The strong storm surge forced the embankment to breakdown in the vulnerable points and flooded the coastal areas. The whole incident took about 4-5 minutes leaving the people no time to move to safety, thus inflicted heavy damage on human lives, livestock and poultry, infrastructures and crop.

According to the official statistics nearly four million people have been affected. Huge numbers of livestock have been lost with nearly 2,000 km of road either fully or partially destroyed. Thousands of acres of crops



have been wiped out. The horrifying fact is that nearly 2,000 km of the coastal embankment was damaged, causing extensive flooding.

By implementing the breach closing/ closure construction the people first got relief from saline water entrance into the project area. Then by repairing/ constructing the regulators, drainage system is restored which was collapsed during cyclone Aila and strengthening the embankment by re-sectioning or constructing new embankment, vulnerability of further embankment breaching or risk for disaster is reduced, and finally by constructing protective work, vulnerable points of polder are risk free from further river erosion. Now people are enjoying total benefit of poldering system.

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
..... Not Applicable .....			

## 02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	5.66 : 1.00	N/A
(ii) Economic	7.69 : 1.00	
(2) Internal Rate of Return		
(i) Financial	45.99%	N/A
(ii) Economic	50.96%	

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

## 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>			
Romesh Chandra Sen, Honorable Minister, MoWR.	21/01/2011	Not Found	
	30/10/2010 to 31/10/2010	Not Found	
Alhaz Md. Mahbubur Rahman, Honorable State Minister, MoWR.	24/12/2010 to 25/12/2010	Not Found.	
	30/10/2010 to 31/10/2010	Not Found.	
	26/11/2010 to 27/11/2010	Not Found.	
	09/02/2011 to 10/02/2011	Not Found.	
	12/04/2011	Not found	
	03/02/2013	Not found	
Munnujan Shufian, State Minister, Ministry of Labour and Welfare.	25/12/2010	Not found	
Sheikh Md. Wahiduzzaman Secretary, MoWR	21/01/2011	Not Found.	
Sheikh Md. Wahiduzzaman Principal Secretary, the Prime Minister's Office	25/01/2012	Not Found.	
Sheikh Altaf Ali, Senior Secretary, MoWR	24/02/2012	Not Found.	
Dr. M. Aslam Alam, Secretary (Charge), Ministry of Disaster Management and Relief .	06/11/2010 to 08/11/2010	Not Found.	
Md. Habibur Rahman, Director General BWDB, Dhaka.	27/01/2011 to 28/01/2011	Not Found.	
Md. Azizul Haque, ADG (O & M-2), BWDB , Dhaka	30/10/2010 to 31/10/2010	Slow in closure construction	To accelerate progress of works.
	26/11/2010 to 27/11/2010	Not Found	
	12/12/2010 to 13/12/2010	Not Found	
	24/12/2010 to 25/12/2010	Not Found	
	21/01/2011	Not Found	
	28/03/2011 to 29/03/2011	Not Found	
	24/02/2012	Not Found	
Md. Yousuf , Joint Secretary, ADG (Finance), BWDB, Dhaka	05/12/2011 to 06/12/2012	Not Found	
Abdul Halim Mollah, Joint Secretary, ADG (Admin), BWDB, Dhaka	10/02/2014	Not Found	
	07/03/2014	Not Found	
	13/04/2014	Not Found	

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
Md. Ibrahim Khalil, Joint Secretary, ADG (Finance), BWDB, Dhaka	09/04/2014 to 11/04/2014	Not Found	
Shohidur Rahman, Chief Engineer, South-Western Zone, BWDB, Faridpur.	26/11/2010 to 27/11/2010	Not Found.	
	24/12/2010 to 25/12/2010	Not Found.	
Md. Azadur Rahman Mollick, Deputy Secretary, Division of Cabinet Secretariat.	16/03/2011	-	Vulnerable embankment at Shyamnagar Upazila should be repaired on emergency basis.
A. N. M. Rokon Uddin, Deputy Chief, MoWR	26/12/2012 to 27/12/2012	Not Found.	
Brojomohon Nath, Executive Engineer, Design Circle-4, BWDB, Dhaka.	15/05/2011 to 16/05/2011	Not Found	
	08/07/2011 to 09/07/2011	Not Found	
	26/11/2011 to 29/11/2011	Not Found	
	10/01/2012		
	06/03/2012 to 08/03/2012	Slow in work progress.	To accelerate the progress of Jaliakhali, Poramukhi, Shikaribari, Dighalrite (Chuybaria), Chinnikhali Closure.
Md. Mahfuzur Rahman, Executive Engineer, Design Circle-5, BWDB, Dhaka	06/03/2012 to 08/03/2012	Slow in work progress.	To accelerate the progress of Jaliakhali, Poramukhi, Shikaribari, Dighalrite (Chuybaria), Chinnikhali Closure.
	22/11/2012	Not Found	
Yasmin Begum, Senior Assistant Secretary, Division of Cabinet Secretariat.	19/02/2012	Not Found	
<b>(b) IMED :</b>			
Md. Habibullah Mazumder, Secretary, IMED	17/02/2010	Not Found	
Rabindranath Barman, Director, IMED	14/07/2011 to 16/07/2011	Turfing work is not satisfactory at Nolian Closure and Mothbaria Closure.	Construction of closure has been done properly however turfing should be done properly.
Md. Sayeduzzaman, Deputy Chief, Planning Commission	08/02/2011 to 09/02/2011	-	Considering the practical field condition DPP should be revised.  To circulate success of



Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
			BWDB at Print and Electronic media.
A. H. M. Kamruzzaman, Senior Assisatant Chief, Planning Commission	08/02/2011 to 09/02/2011	-	Considering the practical field condition DPP should be revised.  To circulate success of BWDB at Print and Electronic media.
Md. Shahadat Hossain Masud, Assistant Director, IMED	26/03/2012	Not found	
Md. Quamrul Islam, Assistant Chief, Irrigation wing, Planning Commission	24/11/2012 to 25/11/2012	-	To proceed DPP of AILA project for 2 <sup>nd</sup> Revise.
<b>(c) Others (Please specify):</b>			
Md. Sohrab Ali Sana, MP, Khulna-6	26/11/2010 to 27/11/2010	Not Found	
Md Mujibor Rahman, MP, Satkhira-01.	30/10/2010 to 31/10/2010	Not Found	To inaugurate Chalkbara Closure.
Noni Gopal Mondal, MP, Khulna-1.	26/11/2010 to 27/11/2010	Not Found	
	25/12/2010	Not Found	
Chief of Bangladesh Army	11/04/2010	Not Found	Army will co-operate BWDB in all respect.

## 0.2. Auditing during and after Implementation:

### 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
Nil			

### 2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2010-11	10-04-2012	গাড়ী ক্রয় বাবদ অনিয়মিত পরিশোধ।	Reply of audit objection is sent but not resolved.
2010-2011	24-04-2012	কার্য সম্পাদনে ব্যর্থ ঠিকাদারের নিকট হতে পারফরমেন্স সিকিউরিটি (পিএস) বাজেয়াপ্ত না করায় সরকারের রাজস্ব ক্ষতি।	Reply of audit objection is sent but not resolved.



Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2010-2011	24-04-2012	বাজেট তামাদি এড়ানোর উদ্দেশ্যে কোন রকম কার্য সম্পাদন ব্যতীত হস্ত রশিদের মাধ্যমে ঠিকাদারকে অগ্রিম প্রদান করায় সরকারের আর্থিক ক্ষতি।	Reply of audit objection is sent but not resolved.
2010-11	20-04-2012	Financial Loss of Govt. due to not imposing 10% penalty for not working in due time.	Resolved
2010-11	20-04-2012	Financial Loss of Govt. due to overwriting and notarization the above rate in schedule of works.	Replies of audit objections are sent but not resolved.
2010-11	20-04-2012	Financial Loss of Govt. for not laying and dumping cc blolck working in due time.	Replies of audit objections are sent but not resolved.
2010-11	20-04-2012	Financial Loss of Govt. due to not curtailing 10% security penalty impose for not working in due time.for not laying and dumping cc blolck working in due time.	Replies of audit objections are sent but not resolved.
2011-12	28-11-12	বাঁধ মেরামতকল্পে বাঁধের উপরের এইচ বিবি রাস্তা হতে উত্তোলিত ইট বা ইটের মূল্য আদায় না করা।	Reply of audit objection is sent but not resolved.
2011-12	28-11-12	বোর্ডের ছাড়পত্র ও স্থানীয় প্রশাসনের সম্পূর্ণতা ছাড়াই সিসি ব্লক প্রেসিং দেখিয়ে ঠিকাদারকে বিল পরিশোধ।	Reply of audit objection is sent but not resolved.
2011-2012	06-12-2012	যথাযথ ঠিকাদার নির্বাচন, কার্যাদেশ ও চুক্তি অনুযায়ী কাজ না করারয় এবং কাজ বাস্তবায়নে কর্তৃপক্ষ কর্তৃক সময়ানুযায়ী প্রয়োজনীয় পদক্ষেপ গ্রহণ করা করায় ক্রোজার নির্মাণ কাজ সম্পাদনে ৩ বার ব্যর্থতার ফলে ব্যয় বৃদ্ধি।	Reply of audit objection is sent but not resolved.
2011-2012	06-12-2012	মন্ত্রীপরিষদ বিভাগের সিদ্ধান্তকে উপেক্ষা করে অনুকূল্য প্রদর্শন পূর্বক ঠিকাদারকে অনিয়মিতভাবে অগ্রিম অর্থ পরিশোধ।	Reply of audit objection is sent but not resolved.
2011-2012	06-12-2012	দরপত্র আহবান ও দাখিলকৃত দণ্ড প্রকৃত বাজার মূল্যেও সাথে তুলনা না কও সমঝোতার মাধ্যমে ৩০.২৬%ও ৪৪.২৮% উর্দ্ধদণ্ডে দরপত্র গৃহীত করায় সরকারের ব্যয় বৃদ্ধি করা।	Reply of audit objection is sent but not resolved.
2011-12	12-12-2012	Financial Loss of Govt. due to not forfeiting performance security.	Replies of audit objections are sent but not resolved.
2011-12	12-12-2012	Financial Loss of Govt. due to not imposing 10% penalty for not working in due time.	Replies of audit objections are sent but not resolved.
2011-12	12-12-2012	Financial Loss of Govt. due to not analyzing the schedule of rates by Tender Evaluation Committee. TEC.	Replies of audit objections are sent but not resolved.
2012-13	09-12-2013	পিপিআর-২০০৮ আইন উপেক্ষা করে ওটিএম পদ্ধতির পরিবর্তে ঢালাওভাবে এলটিএম পদ্ধতিতে কার্য সম্পাদন।	Reply of audit objection is sent but not resolved.
2012-13	28-10-2014	নির্ধারিত সময়ে কার্য সম্পাদনে ব্যর্থ ঠিকাদারের নিকট হতে জরিমানা আদায় না করায় বোর্ড/সরকারের ক্ষতি। পিপিআর-২০০৮ আইন উপেক্ষিত।	Reply of audit objection is sent but not resolved.
2012-2013	22-12-2013	রয়েলেটি মাটির ইনিশিয়াল লীড সহ সরবরাহ মূল্য পরিশোধ করা সত্ত্বেও অলীক লীডের মূল্য পরিশোধ।	Reply of audit objection is sent but not resolved.
2012-13	02-01-2014	নির্ধারিত সময়ের মধ্যে কার্য সম্পাদনে ব্যর্থ ঠিকাদারের উপর জরিমানা আরোপ না করায় পাউবো/সরকারের ক্ষতি। পিপিআর-২০০৮ আইন উপেক্ষিত।	Replies of audit objections are sent but not resolved.
2012-13	17-12-2013	Financial Loss of Govt. by providing advance bill to contractors.	Replies of audit objections are sent but not resolved.
2013-14	04-06-2015	নির্ধারিত সময়ের মধ্যে কার্য সম্পাদনে ব্যর্থ ঠিকাদারের উপর জরিমানা আরোপ না করায় পাউবো/সরকারের ক্ষতি। পিপিআর-২০০৮ আইন উপেক্ষিত।	Reply of audit objection is sent but not resolved.

## **G. DESCRIPTIVE REPORT**

### **1. General Observations/Remarks of the Project on :**

#### **1.1 Background**

The devastating cyclone Aila struck the south-western coastal region of Bangladesh and eastern coast of the neighboring West Bengal province of India at midday on 25 May 2009. Aila was the deadliest cyclone so far in 2009. Satkhira and Khulna districts of Bangladesh suffered the heaviest damage along with Bagerhat, Pirojpur, Barisal, Patuakhali, Bhola, Laksmipur, Noakhali, Feni, Chittagong and Cox's Bazar. Aila made landfall with sustained winds between 65 and 75 mph (74 mph is the lowest threshold for a Category one hurricane). When landfall occurred, it brought with it a deadly storm surge between 10-13 feet high along the western Bangladesh coastlines. This strong storm surge forced the embankment to breakdown in the vulnerable points and flooded the coastal areas. The whole incident took about 4-5 minutes leaving the people no time to move to safety, thus inflicted heavy damage on human lives, livestock and poultry, infrastructures and crop.

According to the official statistics nearly four million people have been affected. Huge numbers of livestock have been lost with nearly 2,000 km of road either fully or partially destroyed. Thousands of acres of crops have been wiped out. The horrifying fact is that nearly 2,000 km of the coastal embankment was damaged, causing extensive flooding.

The main damage has been caused by flood water breaching the already weakened embankments throughout the affected districts. Communities have reported that activities associated with shrimp farming, such as the frequent practice of opening the embankments to move saline water into shrimp ponds, has made the half-century-old earthen embankments weak, causing them to break during the tidal surge inflicted by the cyclone. Silting up of the river beds, along with rapid coastal subsidence, have also contributed to higher tidal surges and increased strain on the embankments.

The area remains waterlogged, causing the salinity of soil and inland water. As a result, agriculture in the region is under serious threat and soon there will be an acute scarcity of drinking water throughout the region.

To rehabilitate damaged infrastructures the project started in July 2010 for a period of three years. Due to the scarcity of fund, all civil works cannot be implemented as per program and the situation leads to the delaying of project program. In this consideration, for implementation of whole works of approved 1<sup>st</sup> Revised DPP and proposed additional works of 2<sup>nd</sup> Revised DPP will require more time and extension of the project completion period from June, 2013 to June, 2015.



## **1.2 Justification/Adequacy**

BWDB constituted three Assessment Committees to assess the damages of the BWDB's structures by Aila in the South-Western Zone, Southern Zone and South-Eastern Zone. The committees visited the Aila affected area and submitted preliminary assessment reports. According to the assessment reports, Tk.60000.00 lakh is needed to rehabilitate/repair the damaged structures. Tk.17500.00 lakh has already been allocated as foreign assistance from the donors under WMIP; ECRRP & SWAIWRMP projects. Emergency rehabilitation works are completed or under implementation.

To implement the remaining rehabilitation programme in the South-Western zone, as per the assessment reports and on the basis of current field survey, the present proposed project has been formulated. In the meeting of the Monitoring Committee for the Aila Damaged BWDB's Structure Rehabilitation Works held on 24.03.2010, a decision was made to submit DPP for the remaining rehabilitation works.

## **1.3 Objectives**

The main objective of the project is:

- To rehabilitate/repair BWDB infrastructures under 43 Nos. polders/sub-projects in the South-Western zone damaged by Cyclone Aila 2009.
- To bring the damaged structures in operational condition for ensuring the desired benefits of the polders/sub-projects.
- To address the midterm Cyclone Aila Rehabilitation Programme.

## **1.4 Project revision with reasons**

The original DPP was approved on 26.10.2010 with a cost of Tk. 31538.46 lakh. The duration of the project was from July, 2010 to June, 2013. During implementation of the project, it has been observed that the cost of construction materials increased as such the schedule rates of Khulna O&M Circle has been increased by 20-30%. Moreover, some item of works such as construction of embankment and cost of construction of regulators, repair of slope protective work and construction of closure have increased. Therefore, the cost of original work provided in the DPP has increased significantly. First time the DPP was revised and approved on 11.07.2011 at a cost of Tk. 34663.24 lakh.

The progress of the project is satisfactory. To sustain the cyclone Aila affected polders and to retain achieved benefit from the project, it is necessary to implement all the works in the proposed second Revised DPP as it includes some additional works such as construction of embankment is very important. According to practical situation, quantities of different components and cost have increased with respect to the approved first revised DPP. The second Revised DPP cost has increased to Tk. 37754.61 lakh

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

The very nature and objectives of this Project have direct relevance with the national objectives of attaining self-reliance in food grain production, generation of rural employment, poverty alleviation specially for rural poorer section, creation of social & environmental balance and building economic infrastructures for the future generations to sustain.

Now, National Water policy (NWP-1999) is the basic guide for sustainable development of water resources projects. The policy indicates priorities for different multi-sectoral needs to be ensured in planning & development of water management projects. It also stressed the need for boosting-up agricultural production through execution of FCDI projects. Accordingly, National Water Management Plan (NWMP) has been prepared indicating portfolio of projects. The plan contains a 25 years long term nation-wide management plan & strategies (first 5 year-short term, onward 10 year-medium term & last 10 year long term) for comprehensive as well as sustainable enhancement of water resources.

### **National Water Policy**

The objectives of the project are related to the objectives of the National Water Policy

- To address issues related to the harnessing and development of all forms of surface water and ground water and management of these resources in an efficient and equitable manner; and
- To ensure the availability of water to all elements of the society including the poor and the underprivileged, and to take into account the particular needs of women and children;

### **BWDB Act (2000):**

The project is related to the BWDB's structural functions:

#### **Structural Functions:**

- River & river basin control & development and erection of reservoir, barrage, embankment, regulator & other infrastructure for flood control, drainage enhancement, irrigation & drought prevention;
- River-bank erosion control & protection of towns, growth centres, localities of historical events & national important places from devastating river erosion;
- Erection & protection of coastal embankments.



### **National Water Management Plan (NWMP):**

The National Water Management Plan (NWMP) has been prepared in a comprehensive and integrated way having due regard for the interests of all water related sectors and taking full account of other relevant sectoral policies of the govt. The NWMP was guided with the objectives enunciated by National Water Policy. The Plan contains a 25 years long term nation-wide management plan & strategies (first 5 year-short term, onward 10 year-medium term & last 10 year long term) for comprehensive as well as sustainable enhancement of water resources. The Plan has been duly approved on 31.03.2004 by competent authority.

The present rehabilitation project is relevant with the immediate objectives following cluster programme of NWMP:

- EE 002 (enabling environment) : Development and Management of Water Sector Resources.
- DM 001 (Disaster Management) : Lives, livelihoods and national infrastructures protected or mitigated.

Aila 2009 damaged BWDB infrastructures under 43 nos polders/subprojects in the South-Western zone in Khulna, Bagerhat and Satkhira area are taken up for rehabilitation under the project.

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

- |                          |                                     |
|--------------------------|-------------------------------------|
| ◆ Project Identification | - South-Western Zone, BWDB, Khulna. |
| ◆ Project Preparation    | - South-Western Zone, BWDB, Khulna. |
| ◆ Appraisal              | - Planning Commission               |
| ◆ Credit Negotiation     | - N/A                               |
| ◆ Credit Agreement       | - N/A                               |
| ◆ Credit Effectiveness   | - N/A                               |
| ◆ Loan Disbursement      | - N/A                               |
| ◆ Loan Conditionalities  | - N/A                               |
| ◆ Project Approval       | - Planning Commission               |
| ◆ Others (if any).       | - Implemented on GoB financing.     |

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: **Continuous.**
- 4.3 O & M programme of the project. **Continuous.**
- 4.4 Impact of the project -
  - 4.4.1 Direct: **Positive impact.**
  - 4.4.2 Indirect: **Positive impact.**
- 4.5 Transfer of Technology and Institutional Building through the project: **Positive impact.**
- 4.6 Employment generation through the project. **Yes.**
- 4.7 Possibility of Self employment. **Yes.**
- 4.8 Possibility of women-employment opportunity: **Yes.**
- 4.9 Women's participation in development: **Yes.**
- 4.10 Probable Impact on Socio-Economic activity. **Positive impact.**
- 4.11 Impact on environment: **Positive impact.**
- 4.12 Sustainability of the project: **Sustainable.**
- 4.13 Contribution to poverty alleviation/reduction. **Positive impact.**
- 4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc: **Positive.**
- 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: <b>N/A</b>  | 5.12 Project aid disbursement and re-imbursment: <b>N/A</b> |
| 5.2 Project Director: <b>N/A</b>  | 5.13 Mission of the development partners: <b>N/A</b>        |
| 5.3 Land Acquisition: <b>N/A</b>  | 5.14 Time & Cost Over-run: <b>N/A</b>                       |
| 5.4 Procurement: <b>N/A</b>   | 5.15 Project Supervision/Inspection: <b>N/A</b>             |
| 5.5 Consultancy: <b>N/A</b>   | 5.16 Delay in Decision: <b>N/A</b>                          |
| 5.6 Contractor: <b>N/A</b>  | 5.17 Transport: <b>N/A</b>                                  |
| 5.7 Manpower: <b>N/A</b>  | 5.18 Training: <b>N/A</b>                                   |
| 5.8 law & Order: In the project area, social unrest prevailed sometimes, which hampered physical progress & delayed progress of the work. | 5.19 Approval: <b>N/A</b>                                   |
| 5.9 Natural calamity: <b>N/A</b>  | 5.20 Others: <b>N/A</b>                                     |
| 5.10 Project financing, allocation and release : <b>N/A</b>   |   |
| 5.11 Design formulation/approval: <b>N/A</b>  |   |

Incompliance with the above, original DPP of the project costing Tk. 31538.46 Lakh was approved on 10/11/2010 and latest revised DPP of the project costing Tk. 37754.61 Lakh was approved on 26/05/2013 for implementation of all the physical works has been done by June,2015 and the same has been achieved accordingly. It is realised that BWDB infrastructures of south-western zone which were not affected during Aila have been damaged due to Cyclone Mohasen, Hudhud and frequent global climate change during implementation period of the project. A project should be formulated to rehabilitate the above mentioned damaged infrastructures to make the achievement more sustainable.

Date : ১৬-৬-১৪

Signature and seal of the Project Director/Manager

(Md. Bazlur Rashid)  
Superintending Engineer  
Khulna O&M Circle  
BWDB, Khulna.

7. Remarks/Comments of Agency Head

Cyclone Aila was a massive disaster back in the year 2009. This project was taken up to repair/rehabilitate Aila affected BWDB infrastructures on 43 polders/sub-polders. Implementation of this project has turned the damaged infrastructures to operational condition with desirable output.

Date : .....

Signature and Seal

(MD. ISMAIL HOSSAIN)  
Director General  
BWDB, Dhaka.

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

Date:

Signature and Seal



