

## DHAKUAKHANA WATER RESOURCES DIVISION, DHAKUAKHANA

### Introduction:

The Dhakuakhana W.R. Division was established on 16<sup>th</sup> April 2008. Earlier the jurisdiction of this division was belonging to the Dhemaji WR Division, Dhemaji. Presently this Division comprising of 2 (two) Nos. of Sub-Divisions namely -

- 1) Dhakuakhana W.R. Sub-Division-I, Dhakuakhana
- 2) Dhakuakhana W.R. Sub-Division-II, Ghilamaraa

### Our History :

Earlier the jurisdiction of Dhakuakhana W.R. Division was belonging to the Dhemaji WR Division, Dhemaji.

### Our Mandate :

The main objective of this division is to optimal sustainable protection of Dhakuakhana Co-District area against flood and river bank erosion. **The river and dyke system of this division is as follows :-**

Sl. No.	Name of Sub-Division	Name of River	Category of river	Name of Dyke	Length
1	Dhakuakhana WR Sub-Division-II, Ghilamara	Subansiri	'A'	Subansiri L/B Dyke from Gogamukh to Selamukht	44.75 Km
2		Korha	'C'	Korha R/B from Gopalpur to Baliyoni (Tenga –Am Beel Ghilamara Bund)	13.50 Km
3		Kumatiya/Sampora	'C'	Sampora Kumatiya L/B dyke from Gurthali Chapori to Dhakuakhana PWD Road	4.55 Km
4	Dhakuakhana WR Sub-Division-I, Dhakuakhana	Brahmaputra	'A'	B/dyke from Sissikalghar to Tekeliphuta	20.175 Km
5		Korha	'C'	Korha L/B from Bhagamukh to Moukhowa	19.15 Km
6		Charikariah	'C'	Without Embankment	
<b>Total -</b>					<b>102.125 Km</b>

### Key Programme and Schemes

The major schemes executed during last 10 (Ten) years under Dhakuakhana Water Resources Division, Dhakuakhana is enclosed at Annexure-I.

### Achievements

The main Achievement in recent years is enclosed at Annexure-II.

## Future Plan

The following schemes are proposed for the financial year 2025-26 –

1. R/S to Bhogamukh to Moukhuwa on the L/B of river Korha from Ch.12550.00m to Ch.19150.00m  
**Estimated Amount : Rs. 8,70,00,000.00**
2. Anti-erosion measures at different reaches of river Charikoria”.  
**Estimated Amount Rs. 8,99,85,000.00**
3. A/E Measures to protect Dhapolial village and its adjoining areas from the erosion of river Korah on R/B embankment”  
**Estimated Amount : Rs. 2,89,15,000.00**
4. Protection of village Chinnai and its adjoining area from the erosion of river Sampora on L/B embankment”.  
**Estimated Amount : Rs. 4,75,82,000.00**

## Contact Details

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**Annexure-I**

<b>Year</b>	<b>Name of scheme</b>		<b>Estimated Amount (₹in lakh)</b>	<b>Physical Progress</b>	<b>Remarks</b>
<b>2015-16</b>	1	Erosion Protection at Charikaria River Dhakuakhana under CM Package.	500.00	100%	
	2	Protection of R.C.C. porcupine at Goroimari and its adjoining areas river Subansiri Left Bank under CM package.	500.00	100%	
<b>2017-18</b>	1	Immediate measures for closing of breach & restoration of flood damages of river Brahmaputra at the check bund No. 06 Bandana in Dhakuakhana civil Sub-Division under SDRF for 2017-2018	135.00	100%	
	2	Immediate measures to restoration of damaged section of Baghchuk check bund from flood devastation of river Brahmaputra under SDRF for 2017-18	118.00	100%	
	3	Immediate measures to protect the Jugisuti area from the flood devastation of river Brahmaputra under SDRF for 2017-18	180.00	100%	
	4	Immediate measures to restoration of damaged section Geo tube apron at Matmara from flood devastation of river Brahmaputra under SDRF for 2017-18	105.00	100%	
	5	Immediate measures to restoration of damaged section of Papung check bund and from flood devastation of river Brahmaputra under SDRF for 2017-18	95.00	100%	
	6	Immediate measures to protect the Takarchuk area near Tekeliphuta from the flood devastation of river Brahmaputra under SDRF for 2017-18	180.00	100%	
	7	Immediate measures to protect Goroimari Na- Kapahua area from flood devastation of river Charikoria on left bank under SDRF for the year 2017.18.	175.00	100%	
	8	Immediate measures for protection of Konowarbari and its adjoining areas from the river Champora under SDRF for 2017-18.	178.00	100%	
	9	Immediate measures to protect the Thekeraguri area from flood devastation of river Charikoria in Dhakuakhana Civil Sub-Division under SDRF for 2017-18.	40.00	100%	
	10	Immediate measures for restoration of flood damages of river Brahmaputra at the Check bund No.3, Turibari,4-Jugisuti and No.05 Kopchang in Dhakuakhana Civil sub-Division under SDRF for 2017-18	164.00	100%	

2018-19	1	R/S to Korha L/B dyke from Bhogamukh to Moukhowa in-between Ch. 0 to 19000 M including A/E measures at different reaches and improvement of communication network through the dyke under RIDF – XXIV (Ph-I).	150.00	100%	
	2	Immediate measures to restoration of damage section of L/B of river Korha from Bhogamukh to Moukhowa from ch. 3500m to 5500m, Ch. 6925m to 11400m and Ch. 16750m to 19000m under SDRF for 2018-19	200.00	100%	
	3	Immediate measures for closing of breach & restoration of flood damages of river Brahmaputra at Bandana check bund No. 06 (From Ch. 870m to 1415m) in Dhakuakhana civil Sub-Division under SDRF for 2018-19	150.00	100%	
2019-20	1	Protection of Bhati-Kekuri and its adjoining area from the erosion of river Charikoriah on its left bank under SOPD-FDR	366.00	100%	
	2	Immediate measures to recoup the flood damages at Baligaon area from the flood devastation of river Brahmaputra under SDRF 2019-20	200.00	100%	
	3	Immediate measures for installation of Geo Tube apron in borrow pit channel at Jugisuti (from Ch. 9700m to 10070m) of B/Dyke from Sissikalghar to Tekeliphuta to prevent from flood devastation of river Brahmaputra under SDRF for 2019-20.	150.00	100%	
	4	Immediate measures to recoup the flood damages caused by river Brahmaputra at Bamunichapori, Kopchang and Bandana under SDRF for 2019-20	200.00	100%	
2021-22	1	Protection of Bandana - Baghchuk area from the erosion of river Brahmaputra under SOPD-G	1000.00	100%	
	2	Extension of Sampora L/B embankment from Gurathali Chapori to Dhakuakhana PWD road to Protect the Ghilamara township and its adjoining areas from the flood inundation of Kumatia/Sampora river for 2021-22 under SOPD-G	947.00	100%	
2023-24	1	Construction of Check Bund and anti - erosion measures at Baghchuk and Baligaon area to protect the Sissikalghar to Tekeliphuta Brahmaputra-Dyke.	1720.00	100%	
	2	Protection of Dhakuakhana College and its adjoining areas from the flood devastation of river Charikariah on its right bank for the year 2023-24.	199.90	96%	<b>Work in progress</b>
	3	Construction of Sluice gate on the Kumatiya-Sampora L/B embankment from Gurathali Chapori to Dhakuakhana PWD road at Ch 4400m for 2023-24	115.00	100%	

2023-24	4	Construction of Sluice gate on the Kumatiya-Sampora L/B embankment from Gurathali Chapori to Dhakuakhana PWD road at Ch 2750m for 2023-24	115.00	100%	
2024-25	1	Construction of new embankment from Ghilaguri to Rounabari to protect the west part of Dhakuakhana Civil Sub-Division from the flood inundation of Charikoria river on its left bank	150.00	90%	<b>Work in progress</b>
	2	Construction of New embankment from Ch. 2900.00m of Korah dyke to Balipukhuri Nath Gaon of river Sampora on its L/B	236.65	90%	<b>Work in progress</b>



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GOVT. OF ASSAM  
WATER RESOURCES DEPARTMENT



**Major Achievement of Dhakuakhana W.R.  
Division, Dhakuakhana in recent years**

<b>Name of Scheme</b>	:	Extension of Sampora L/B embankment from Gurathali Chapori to Dhakuakhana PWD road to Protect the Ghilamara township and its adjoining areas from the flood inundation of Kumatia/Sampora river.
<b>Estimated Amount</b>	:	Rs. 947.00 Lakh
<b>Date of Starting</b>	:	15.02.2022
<b>Date of Completion</b>	:	30.01.2023

### **HISTORY**

- The river Jiadhal flows through the plan region of Dhemaji district of Assam after it has comes from its source from lower Range of Himalayan mountains of Arunachal Pradesh. The upper reach of the river in Assam up to NH crossing is known as Jiadhal, but the same river after crossing the NH 15 it takes the name Kumatia up to the last part of Dhemaji district at Gurathali. Again the lower reach the same river Jiadhal-Kumatia is known as Sampora after crossing the Dhemaji district to flow into the Dhakuakhana Civil Sub-Division of Lakhimpur District. The Jiadhal-Kumatia river is a flashy and meandering in nature on the plain region and flowing towards the southern part, through the entire areas of Dhemaji District. In the downstream portion of the Dhemaji district the Jiadhal-Kumatia river convergent with Na- Nadi river at Tini Suti near Chutiakari and flows with high meandering in nature, naming as Sampora river in the jurisdiction of Subansiri Revenue Circle under Dhakuakhana Civil Sub-Division of Lakhimpur District and finally out falls at Selamukh on the Kherkota river..
- The flood havoc is created by the Sampora river (Jiadhal/Kumatiya) in Dhakuakhana Co-District under Lakhimpur District.
- The Road communication have been disrupted by the flood of Sampora river delinking a major part of Dhakuakhana Co-District area of the District.
- A large nos. of house, schools and other Govt. & private buildings and assets including hectares of homestead and cultivated land was Devastated and silted by the river.
- Due to each and every years chronic flood inundation to the paddy fields by the Sampora river, the Agro-based economy of the people of Ghilamara in the district severely destroyed and thus lower the per-capita income of the local people.

### **SUCCESS STORY**

- To address the long-standing issue of the Sampora river, the government approved a plan in 2021 to construct a 4.52 Km new embankment from Gurathali Chapori to Dhakuakhana PWD Road in L/B of river Sampora.
- The initiative was executed, resulting in the reclamation and protection of roughly 12500 hectares of land. This land features heavily populated 12 villages and is abundant in agricultural activities, now shielded from the impact of floods.

## PHOTOGRAPHS



**(PHOTOGRAPHS BEFORE EXECUTION OF THE SCHEME)**



**(PHOTOGRAPHS AFTER EXECUTION OF THE SCHEME)**

<b>Name of Scheme</b>	:	Construction of Check Bund and anti-erosion measures at Bagchuk and Baligaon area to protect the Sissikalghar to Tekeliphuta Brahmaputra-Dyke.
<b>Estimated Amount</b>	:	Rs. 1720.00 Lakh
<b>Date of Starting</b>	:	17.03.2024
<b>Date of Completion</b>	:	18.11.2024

### **HISTORY**

- The Matmara area is one of the most flood prone areas under Dhakuakhana Co-district. During each flood, the river water of Brahmaputra flows through borrow pit channel along the bank. This flood water exerts with tremendous flood pressure along the Sissikalghar to Tekeliphuta dyke particularly in Bagchuk to Matmara area.
- It is seen that the combine flood water of borrow pit channel and off shoot channel of Brahmaputra directly hit the embankment at this location. As such to divert the flood water to main course, it is utmost necessary to construct the check bund at many locations as sought.
- During the year 2023, erosion at Matmara is taking place as rainy season has come due to rise & fall of water level. In the 1<sup>st</sup> week of July, 2023, it is observed that an incoming channel at upstream of Matmara area of river Brahmaputra has become more active and a quantum of discharge rushing through the channel exerts with high pressure and hitting the bank of Matmara area perpendicularly causing heavy damages by erosion including shifting of bank line to the Northern bank of the river depositing the silt on the opposite (southern) side.
- The nose portion of the old dyke has already been eroded away and huge portion of land mass also been engulf. The affected reach length was found to be about 650m at present. The river course is coming very closer to the old abandoned embankment and flowing along it and causing heavy ravage by erosion to the area and also posing to threat to the Geo-dyke at Matmara.
- As same manner, severe and active bank erosion at Arkep and Baligaon areas near the old abandoned dyke has also been observed and causing extensive damages to the area. If such damages were allowed to continue, the bank margin will be reducing significantly and then there was every possibility of any untoward situation to the Sissikalghar to Tekeliphuta B/dyke at this location at any moment which may bring back the catastrophe for Dhakuakhana Civil Sub-Division and a part of Majuli District again.

### **SUCCESS STORY**

- Seeing the gravity of the situation, the Govt. has approved the scheme during the year 2023-24 under RIDF and was successfully executed with the provision of construction of 3 (three) Nos. of Check bund and anti erosion measures with Geo Bags. The scheme was started on 17.03.2024 and completed on 18.11.2024. Now, the erosion issue has been partly resolved, and approximately 10 hectares of land has been reclaimed.

## PHOTOGRAPHS



**(PHOTOGRAPHS BEFORE EXECUTION OF THE SCHEME)**



**(PHOTOGRAPHS AFTER EXECUTION OF THE SCHEME)**

<b>Name of Scheme</b>	:	Protection of Bandana - Baghchuk area from the erosion of river Brahmaputra.
<b>Estimated Amount</b>	:	Rs. 1000.00 Lakh
<b>Date of Starting</b>	:	11.01.2022
<b>Date of Completion</b>	:	30.06.2023

### **HISTORY**

- During September, 2020, it was observed that an incoming channel at upstream of Baghchuk area has become very active and a quantum of discharge rushing through the channel and hitting the Bandana-Baghchuk area almost perpendicularly causing heavy damage by erosion and flood devastation including shifting of bank line to the northern bank of river Brahmaputra for a reach length of about 3000m at a stretch at Bandana Baghchuk area. As a result huge portion of land mass has been eroded away. But the erosion had eventually stopped due to falling of Water Level of the river as the flood season is finally over at that time in last year.
- But, during the year 2021 as heavy rainfall has started in the month of May in all over the North Eastern States, for which the rise of water level took place and the erosion has become active again from 15<sup>th</sup> of May in this area and subsequently frequent rise and fall occurs on the water level of Brahmaputra River. As a result, again a huge portion of land mass has already been eroded away at Bandana –Baghchuk area and nose portion of Bandana checked bund has also badly damaged. The active erosion turns to jeopardize the northern bank threatening to the affected area. The erosion caused by migration of the river course towards the northern side. The reach length of the erosion affected reach is about 1500m at the U/S of Bandana Check Bund and about 2000m at the D/S of Bandana Check Bund i.e Bandana to Baghchuk area. The affected reach is within the latitude & longitude of 27.23480N, 94.556348E and 27.207957N, 94.534523E.
- Off late, it is observed that the incoming channel has become one of the major channels of Brahmaputra with a very heavy mass of flow of water running in high velocity and comes very closer to this area, leaving minimum bank margin about 450m at Baghchuk area from Sisi-Tekeliphuta main Embankment, causing endanger to the Baghchuk area in near future.

### **SUCCESS STORY**

Seeing the gravity of the situation, the Govt. has approved the scheme during the year 2021-22 under SOPD-G and was successfully executed with the provision of anti erosion measures with Geo Bags and PSC Porcupine screens. The scheme was started on 11.01.2022 and completed on 30.06.2023. Now, the erosion issue has been partly resolved, and approximately 7 hectares of land has been reclaimed.

PHOTOGRAPHS



**(PHOTOGRAPHS BEFORE EXECUTION OF THE SCHEME)**



**(PHOTOGRAPHS AFTER EXECUTION OF THE SCHEME)**

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