

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 4399
ANSWERED ON 22.03.2018

EROSION BY BRAHMAPUTRA RIVER

4399. SHRI RADHESHYAM BISWAS

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) the steps taken by the Government to prevent erosion of the Brahmaputra and Barak river in Assam;
- (b) the funds allocated for the said purpose during the last three years; and
- (c) the details of the progress made in preventing erosion during the said period?

ANSWER

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND
GANGA REJUVENATION & PARLIAMENTARY AFFAIRS

(SHRI ARJUN RAM MEGHWAL)

(a) The Water Resources Department of Government of Assam is primarily involved in flood and river bank erosion management of the State through execution of different schemes. So far the Water Resources Department, Govt. of Assam has provided protection to 16.50 lakh hectares of land out of 31.05 lakh hectares of flood prone area in the State by constructing 4474.42 Km of embankment, 958 anti-erosion & town protection works, 98 major sluices & 545 minor sluices, 881.97 Km of drainage channels and 807.89 Km of raising & strengthening of existing dyke.

Further, Brahmaputra Board has taken up the following erosion protection works in Assam:

- i) Protection of Majuli Island from flood and erosion of river Brahmaputra under various phases namely: Phase-I, Immediate measures, Emergent measure and Phase II & III.
- ii) Protection of Mankachar Kalair-Alga International Border area from flood and erosion of river Brahmaputra.
- iii) Restoration of Dibang and Lohit rivers to their original courses at Dhola-Hatighuli under various phases namely: Phase-I, Phase-II, Phase-III and Phase-IV.

(b) Funds allocated during the last three years against various heads and expenditure incurred upto Feb, 2018 by the Water Resources Department, Assam is enclosed at **Annexure-I**.

Similarly expenditure during last three years incurred by Brahmaputra Board for the said purpose are as follows:

2014-15	Rs.15.93crore
2015-16	Rs.17.84 crore
2016-17	Rs. 7.65crore

(c) The progress of the schemes of Water Resources Department, Assam is enclosed at **Annexure-II**.

Similarly, the progress of schemes implemented by Brahmaputra Board in said period in Assam are as under-

- i) Protection of Majuli Island from flood and erosion of river Brahmaputra under various phases:
Phase-I, Immediate measures, Emergent measure have already completed and Phase II & III is in progress (99.97% completed up to Feb 2018). Progress during last three years is 19.99%.
- ii) Protection of Mankachar Kalair-Alga International Border area from flood and erosion of river Brahmaputra is in progress (27% completed up to Feb 2018). Progress during last three years is 22.53%.
- iii) Restoration of Dibang and Lohit rivers to their original courses at Dhola-Hatighuli have already been completed

Annexure-I

Annexure referred to in reply to part (b) of Unstarred question No. 4399 to be answered in Lok Sabha on 22.03.2018 regarding “Erosion by Brahmaputra River”

**Fund allocated and utilised by the Water Resources Department, Assam
during 2015-16, 2016-17 & 2017-18**

(Rs. in Lakh)

Plan fund	Year	Budget allocation of the Department.	Amount of expenditure/ utilization by the department
		(Works only)	(Works only)
State-Plan	2015-16	5654.00	625.96
	2016-17	7896.83	5098.49
	2017-18	8993.64	261.96
	TOTAL	22544.47	5986.41
NABARD	2015-16	10840.00	6539.05
	2016-17	18761.00	18470.25
	2017-18	26600.00	5521.58
	TOTAL	56201.00	30530.87
N.E.C.	2015-16	1406.42	298.61
	2016-17	391.01	91.12
	2017-18	168.01	86.05
	TOTAL	1965.44	475.78
N.L.C.P.R.	2015-16	589.00	0.00
	2016-17	97.19	97.19
	2017-18	0.00	0.00
	TOTAL	686.19	97.19
CLA/CSS/EFC/FMP	2015-16	123100.00	2802.36
	2016-17	122617.23	2722.54
	2017-18	161344.61	1768.95
	TOTAL	407061.84	7293.85
FMP State Share	2015-16	15000.00	7163.06
	2016-17	23436.99	0.00
	2017-18	23437.00	0.00
	TOTAL	61873.99	7163.06
EAP	2015-16	5002.00	0.00
	2016-17	20744.00	16244.00
	2017-18	13346.63	0.00
	TOTAL	39092.63	16244.00
C.M.'s Barak Valley Package	2015-16	6250.00	747.97
	2016-17	3807.73	3807.34
	2017-18	2606.36	645.51
	TOTAL:-	12664.09	5200.82
SPA	2015-16	5966.44	928.44
	2016-17	0.00	0.00
	2017-18	0.00	0.00
	TOTAL:-	5966.44	928.44
State Share of RIDF	2015-16	0.00	0.00
	2016-17	2397.00	895.79
	2017-18	21915.55	236.14
	TOTAL:-	24312.55	1131.92
GRAND TOTAL		632368.64	75052.35

Annexure-II

Annexure referred to in reply to part (c) of Unstarred Question No. 4399 to be answered in Lok Sabha on 22.03.2018 regarding “Erosion by Brahmaputra River”

Schemes taken by the Water Resources Department, Assam for erosion management in Brahmaputra and Barak valley since 2015-16 to 2017-18

Status of scheme under State Plan for the year 2016-17

(Rs. in Lakh)

Sl No	Name of Division	Name of scheme	Estimated Amount	Upto date Physical progress
1	Nagaon	Anti Erosion measures to protect B/dyke from the erosion of river Brahmaputra at No-1 Bihdubi area	300.00	Work in progress
2	Nagaon	A/E measures to protect Diphalu from the erosion of river Kollong	68.04	70%
3	Nagaon	Reclamation of land in the Gakhirkhaity area by chocking of oblique channel of river Brahmaputra	299.95	100%
4	Nagaon	Anti-erosion measures to protect Magurgaon from the erosion of river Kopili on left bank	99.80	100%
		Total:-	767.79	

New schemes under State Plan for the year 2017-18

(Rs. in Lakh)

Sl No	Name of Division	Name of scheme	Estimated Amount	Remarks
1.	Sivasagar	A/E measures to Dikhow bund L/B from Upper Nazira to A T Road (Protection of Nazira town and Haldhibari area)	350.00	Work in progress
2.	Chirang	A/E measures to protect villages Taisoguri, Garlajhar, Laokriguri and Santikunja from the erosion of Toklai river on L/B.	400.00	Work in progress
3.	Kokrajhar	A/E measures to protect village Saralpara from the erosion of river Saralbhangha on L/B.	99.95	Work in progress
4.	Dhubri	Anti erosion measures to protect Hatipota, Kathaldi, Kazaikata & its adjoining areas from the river Gaurang on its R/Bank.	150.00	Work in progress
5.	Dhubri	Anti erosion measures to protect KutiBhamadanga, BhamadangaPt-III and its adjoining areas from flood damages of river Raidak.	150.00	Work in progress
6.	Nagaon	Protection of Hatimura dyke from Kukurkata Hill to Hatimura Hill at Sawguri village near HatimuraShivmandir Including beautification.	500.00	Work in progress
7.	Haflong	Protection of BoroNarayanpur village and surrounding areas from the erosion of Jatinga river, (Ph-I)	19.98	Work in progress
8.	Haflong	Protection of Rangapur village and surrounding areas from the erosion of Jatinga river (L/B), Ph-I	17.03	Work in progress
9.	Nagaon	B) Rejuvenation at Kollong river (Bank protection work near Amlapatty area)	146.75	Work in progress
10.	Nagaon	D) Rejuvenation at Kollong river (Bank protection work near Koliabor B. Ed College)	188.93	Work in progress
11.	Nagaon	F) Rejuvenation at Kollong river (Protection work at Teliagaon and its adjoining area)	64.14	Work in progress
12.	Nagaon	G) Rejuvenation at Kollong river-Protection work near SishuBidyapeeth High school at Konworitol	139.09	Work in progress
13.	Nagaon	H) Rejuvenation at Kollong river-Protection work near Uluoni area Mishamukh area and near Khaloiaty Irrigation office	168.90	Work in progress
		Total	2394.77	

SCHEMES UNDER NABARD (RIDF-XX) FOR 2015-16

(Rs. in Lakh)

Sl No.	Name of division	Name of scheme	Estimated cost	Upto date Physical progress
1.	Dibrugarh	Anti erosion measures to T/dyke along the R/B of river Buridehing from Bhekulajan to Tipling (near Panchuti) Ph-II	575.00	100%
2.	UAID	Anti erosion measures against the erosion of river Brahmaputa at Up stream of Swarasath Math	375.00	55%
3.	North Lakhimpur	Protection of Subansiri R/B from the erosion of river Subansiri including extension & strengthening of existing check bund at Dhunaguri area	525.00	100%
4.	Ghy-West	A/E measures to protect d/s area of Chamariasatra from the erosion of river Jaljali	499.89	100%
5.	Mangaldoi	Ext. of Noa-nadi Embankment R/B from M.P.K- road to NH-52 including A/E measures at different reaches	550.00	100%
6.	Silchar	A/E measures to protect Dudpatil area from the erosion of river Borak on its R/B (Gap portion)	300.00	100%
7.	Sibsagar	A/E measures of ofDikhow bund L/B from Namdang outfall to Dikhowmukh at Nakatani, Decial and Raghubari area from the erosion of river Dikhow	760.00	100%
8.	Nagaon	A/E measures to protect Bhurbandha- Bazargaon and its adjoining area (D/S of Kaliabhomora Bridge) from the erosion of river Brahmaputra	450.00	100%
9.	Baksa	Anti-erosion measures to protect different reaches from the erosion of river Baralia	758.00	100%
10.	Morigaon	Anti-erosion work to protect Brahmaputra dyke from 69th km (Ulubari) to 78th km Borigaon	800.00	100%
11.	Guwahati East	Protection of Dharapur and Garal area D/S of Dhoptola bazar from the erosion of river Brahmaputra from Ch. 5500m to 6100m, Ph-II.	350.00	100%
12.	Guwahati East	A/E measures to protect SoalkuchiChandrapur area from the erosion of river Brahmaputra.	651.00	100%
13.	PGP	Strengthening of embankment along R/B of river Kulsu from Kulsu Bazar area to Bagapanighat including A/E measures.	850.00	100%
14.	Barpeta	Protection of Pampara, Pun-Mahachara, Kachumara, Alopai, Majerchar and its adjoining areas from the erosion of river Brahmaputra. .	850.00	100%
15.	Dhubri	Training of river Champamati by Pro-Siltation measures to protect Barchara, Chikibiki, Naldoba and Bamumtila village.	750.00	60%
16.	C.I.D. Badarpur	A/E measures to protect Mahadevpur area from the erosion of river Surma on its R/B near Mahadevpur BOP camp and boundary Pillar No. 1346 in the District of CacharPh-II(Ch. 350-700m), (international border area protection). .	600.00	60%
17.	Hailakandi	A/E measures to protect the P.W.D. Road from Kalacherra to Gudamghat at Goalipar under Sudarshanpur Part-III area from the erosion of river Katakhal on its R/B (L=500m)	755.20	90%
18.	Mangaldai	R/S to Saktolaernbankment (B/B) from MPK road to RK embankment {ch 6600m to 9600m) including protection works at different reaches	735.67	100%
19.	Mangaldai	Anti-erosion measures to protect Gadhwa Bazar and its adjoining areas from the erosion of river Tangni (Golandi)	585.60	100%
20.	Barpeta	A/E measures to protect PaschimMoinbari area from the erosion of river Aai-Manas	640.02	51%
21.	Jorhat	Protection of SonaleePathar area from the erosion of river Doyang	500.00	100%
22.	Barpeta	Pro-siltation measures at different reaches on both banks of river Deojara and Kaldia (Review)	681.21	72%
23.	North Lakhimpur	Raising&Strengtening of Kakoi R/B embankment from Lilabari T.G. to Kadam including A/E works(Ph-II)	850.00	100%
24.	Dibrugarh	A/E measures to Dehing bund left bank from Aghunibari to Sessughat (Protection work at 36th km)	855.99	100%

SI No.	Name of division	Name of scheme	Estimated cost	Upto date Physical progress
25.	Guwahati East	A/E measures to protect F/E along L/B of Kollong river from the erosion of river Kollong at different reaches in between ch.17.00km to 46.00km .	750.00	100%
26.	Kokrajhar	A/E measures to protect village Bamungaon Part-IV and Part-II and its adjoining areas from the erosion of river Gaurang on its L/B	821.37	100%
27.	Goalpara	A/E measures to protect Krishnai Bazar and its adjoining areas from the erosion of river Krishnai	752.79	100%
28.	Goalpara	Anti-erosion measures to protect JaleswarBeelpara and Superivita area from the erosion of river Brahmaputra	501.51	100%
29.	Dibrugarh	Anti erosion measures to protect Chapakhowa town and its adjoining areas from the erosion of river Kundil (Ph-IV)	497.47	100%
30.	Dibrugarh	Anti-erosion measures to Dehing bund R/bank from Bhogamur to Sessamukh (Protection work at 10th km)	844.81	100%
31.	Nagaon	Protection of Bihdubi area from the erosion of river Brahmaputra	757.65	100%
32.	Tezpur	Extension of existing protection works at U/S of defferent location and D/S from ch. 225 m to ch. 825 m of BardikaraiBamunipam area of river Jiabharili L/Bank.	733.50	100%
33.	Barpeta	Protection of B/B from the erosion of river Bhellengi at different reaches	651.33	100%
		Total	21558.01	

SCHEMES UNDER NABARD (RIDF-XXIII) FOR 2017-18

(Rs. in Lakh)

SI No.	Name of division	Name of scheme	Estimated cost	Remarks
1.	PGP, Mirza	Anti erosion measures to protect Kalbagan area from the erosion of river Brahmaputra	350.00	Works being started
2.	Mangaldai	A/E measures to B/B of river Saktola to protect the village Pariapara, Neogpara, Muslimchuba, DakhinBokrajhar from erosion of river Saktola	449.69	Works being started
3.	Mangaldai	A/E measures to protect Chereng Bazar and its adjoining areas from the erosion of river Mangaldai& Brahmaputra	466.55	Works being started
4.	Guwahati West	Pro-Siltation measures to protect Sarulah-Barlah village and its adjoining areas from the erosion of river Brahmaputra	500.00	Works being started
5.	Guwahati West	A/E measures to protect Panikhati and Sontoli area from the erosion of river Brahmaputra	650.00	Works being started
6.	Guwahati East	Channelisation of river Brahmaputra at Khanamukh, Garigaon, Dharapur&Garal area, Ph-I	750.00	Works being started
7.	Morigaon	A/E works to protect from Muwamari to Leruamukh area from the erosion of river Brahmaputra	400.00	Works being started
8.	Kokrajhar	A/E measures to protect village Simultapu Block, Simultapu-II and Birgaon village from the erosion of river Sonkosh under NABARD	300.00	Works being started
9.	Kokrajhar	R/S of existing embankment with A/E maesures on L/B of river Saralbhanga from Patgaon to Khalashi	300.00	Works being started
10.	Kokrajhar	A/E measures to protect village Umanagar and its adjoining areas from the erosion of river Gangia	200.00	Works being started
11.	Chirang	A/E measures to protect village AiePoali No.1,2, Khanibhur and its adjoining areas from the erosion of river Aie on R/B (Ph-I)	400.00	Works being started
12.	Dhubri	A/E measures to protect Bhangaduli and Pub Kaldoba village from the erosion of river Gangadhar	475.00	Works being started
13.	Dhubri	Training of river Kanibhur and Kujia by prosiltation measures against severe damage at Bhadrugaon village and its adjoining areas	98.00	Works being started

Sl No.	Name of division	Name of scheme	Estimated cost	Remarks
14.	Nagaon	Protection of Hatimura dyke and its adjoining areas from the erosion of river Brahmaputra	550.00	Works being started
15.	Nagaon	A/E measures to protect Borghuli and its adjoining areas from the erosion of river Brahmaputra	750.00	Works being started
16.	Nagaon	A/E measures to protect Pub Guimari and PachimGuimari from the erosion of river Kopili, Ph-I	400.00	Works being started
17.	Nalbari	A/E measures to protect the R/B of B/dyke from Adabari to Kukarjan (at Saikiapara area) from Ch. 5,830m to Ch. 7,270m	325.00	Works being started
18.	Dibrugarh	Protection of T/dyke along the R/B of river Burhidehing from Deochalli hill to Tiplinghat (Ph-I)	400.00	Works being started
19.	Haflong	Protection of Siding area at Maibang (Near Dimasa Kingdom Stone House) from erosion of river Mahur(L/B)	88.96	Works being started
20.	Haflong	Protection of Mahur Town area from the erosion of Diyung river	72.37	Works being started
21.	North Lakhimpur	Protection work on R/B of river Subansiri at Hekerajan near Boginadi(Ph-I)	750.00	Works being started
22.	North Lakhimpur	A/E measures to protect the Subansiri R/B along with R/S work(From Badati to Kharoi outfall) (Ph-I)	200.00	Works being started
23.	Barpeta	A/E measures to protect SundardiaSatra and its adjoining areas from the erosion of river Nakhanda(Ph-I)	407.00	Works being started
24.	Sivasagar	R/S of Jhanji bund R/B embankment from A.T. Road to Tamulichiga P.W.D. road including anti-erosion measures at 4th ,5th & 6th KM	350.00	Works being started
25.	Sivasagar	A/E measures to protect Sonari Town and its adjoining areas near Ward No.12 from the erosion of river Towkak	300.00	Works being started
26.	Dhemaji	R/S to B/dyke from Deorighat to Sissikalghar from Ch.18150m to 27175m including A/E measures (Ph-I)	450.00	Works being started
27.	Baksa	A/E measure at different reaches of Bhola river on its B/B under RIDFXXII	600.00	Works being started
28.	Baksa	A/E measures including closing avulsion of Suklai river on its B/B under Udalguri district	500.00	Works being started
29.	Baksa	Reconstruction of existing submersible dam at Tarabari including protection works on its R/B in the river Dhansiri	600.00	Works being started
30.	Hailakandi	A/E measures to protect Sahabad-Rongpur area including NH-154 from the erosion of river Khatakhali on its L/Bank (Length=165m)	350.00	Works being started
31.	C.I.D. Badarpur	A/E measures to protect Mohadevpur area from the erosion of river Surma on its R/B near Mohadevpur B.O.P. Camp and Boundary Pillar No.1346 in the district Cachar (International Border Area Protection)Ph-I	350.00	Works being started
32.	Jorhat	A/E measures at different reaches of Bhogdoi river on both bank in between Mariani town and Jorhat town Ph-I(NABARD-RIDF-XXII)	500.00	Works being started
33.	Jorhat	A/E measures at different reaches of Jhanji river (Construction of single barrel box sluice culverts on Jhanji bund L/B at Bhakatgaon and Hatiporagaon)	160.00	Works being started
34.	Jorhat	A/E measures to protect Daldolia and Ikorani area including Dergaon Township and Basic Training Centre from the erosion of river Gelabeel	250.00	Works being started
35.	Goalpara	A/E measures to protect Baladmari and its adjoining area from the erosion of river Brahmaputra	450.00	Works being started

Sl No.	Name of division	Name of scheme	Estimated cost	Remarks
36.	Tezpur	Protection of Gangmouthan and its adjoining areas from the erosion of river Borgang on L/Bank	500.00	Works being started
37.	Tezpur	Protection of Left bank of river Jiabharali at up stream of NH-52	450.00	Works being started
38.	Tezpur	A/E measures to protect both bank of river Gabharu at Puthimari and Nabeel area from the erosion of river Gabharu (including R/S works)	400.00	Works being started
39.	Nalbari	A/E measures against bank erosion at different reaches of river Tihu (Bhadrakuchi and its adjoining areas)	200.00	Works being started
40.	Barpeta	A/E measures to protect Safarkamar and its adjoining area from erosion of river Beki	400.00	Works being started
41.	Morigaon	Protection of Sarukuloi area including R/S to ring bund at Dimoruguri, Satabori and Borkuloi along R/B of Kollong river	400.00	Works being started
42.	Barpeta	Protection of Jadavpur, Donga and its adjoining areas by channelization of river Brahmaputra and reclamation of eroded land within the reach	300.00	Works being started
		Total	16792.57	
