

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 2134
ANSWERED ON 08.03.2018

FLOOD CONTROL

2134. SHRI RADHESHYAM BISWAS

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

- (a) whether the Government has set up a team with specialists for study of flood protection in Assam;
- (b) if so, the details thereof along with allocation of funds for the purpose;
- (c) whether construction of embankments and other construction relating to flood control are being carried out on both the banks of the Brahmaputra/ Barak and other rivers in Assam;
- (d) if so, the details thereof and the time by which the said work is likely to be completed; and
- (e) the estimated cost of the said project along with the amount spent on the same so far?

ANSWER

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

(SHRI ARJUN RAM MEGHWAL)

(a) & (b) Yes, Madam. The Water Resources Deptt, Government of Assam (GoA) has constituted two Expert Committees during the year 2017-18 – one for “Flood and Erosion Protection of Majuli Island” and the other for “Fluvial Morphology of River Brahmaputra, Sediment Management with possibility of Dredging by adopting Modern Technology”. The Expert Committees as stated above have been constituted by the W.R. Department, GoA for effective solution of flood and erosion of Majuli Island and the Brahmaputra River as a whole. The Expert Committees were constituted vide no. WR(G)75/2016/1, dated Dispur, the 21st February, 2017 and no. WR(G)77/2016/1, dated Dispur, the 21st February, 2017 respectively.

Fund allocated for the purpose of protection of Majuli Island was Rs. 20.00 crores and for survey of Brahmaputra Express Highway under Dredging of Brahmaputra was Rs. 2.50 Cr for the year 2017-18.

(c) The W.R. Department, Government of Assam (GoA) had constructed 4473.82 Km of embankment in Brahmaputra and Barak valley upto 11th Plan for flood protection of the State. Again, during the 12th Plan period the GoA had constructed 28.85 Km of new embankment to save the flood affected areas from the fury of flood. The list of the schemes for construction of new embankments is

//2//

enclosed at **Annexure-I**. Again, the GoA has taken up different flood and erosion management projects and the list of the ongoing schemes under different heads is enclosed at **Annexure-II**.

Further, the GoA has proposed to construct two Express Highways on both the banks of river Brahmaputra using the materials out of dredging of the river. The W.R. Department had kept a budget provision of Rs. 250.00 Lakh for the purpose of survey of express highway during the budget of 2017-18 and has already completed the preliminary land survey. Again, for dredging of Brahmaputra, construction of express highway and overall development of river Brahmaputra, the Water and Power Consultancy Services Ltd. (WAPCOS) has been requested by the W.R. Department, GoA vide No. WR(G)97/2017/9 dated 16.12.2017.

(d) & (e) The ongoing schemes are likely to be completed by the end of the year 2018-19.

The works relating to construction of two Express Highways on both the banks of river Brahmaputra will be taken up after finalisation of DPR and approval of the Project. The estimated cost of these two proposed projects will be known after preparation of DPR.

Annexure-I

Annexure referred to in reply to part (c) of Unstarred Question No. 2134 to be answered in Lok Sabha on 08.03.2018 regarding 'Flood Control'

List of schemes for construction of new embankment under W.R. Department, Assam

Sl. No.	Name of Division	Head	Name of scheme	Estd amount (Rs. In Lakh)	Length of new embankment in Km
1	Dibrugarh	NABARD	Construction of sluice gate at Gela Desam river including Tie bund	650.00	0.60
2	Mangaldai	NABARD	Ext. of Noa-nadi Embankment R/B from M.P.K- road to NH-52 including A/E measures at different reaches	550.00	4.00
3	Majuli	NABARD	Extension of B/dyke from Kakarikata to Gualgaon.	740.79	2.92
4	North Lakhimpur	FMP	Flood management of river Dikrong along with river training works on both banks embankments in the Lakhimpur district (Assam)	10595.37	13.50
5	North Lakhimpur	FMP	Flood management of river Ranganadi along with river training works on both banks embankments in Assam	36140.63	2.83
6	Palasbari Gumi Project	ADB	Construction of embankments with black topped road and slope protection works above LWL along the Brahmaputra river	1055.137	5.00
			Total		28.85 Km

Annexure-II

Annexure referred to in reply to part (c) of Unstarred Question No. 2134 to be answered in Lok Sabha on 08.03.2018 regarding 'Flood Control'

List of ongoing flood and erosion management projects of W.R. Department, Assam

A) New schemes under State Plan for the year 2017-18

Sl No	Name of Division	Name of scheme	Estimated Amount
1	Dhemaji	Strengthening of M/E along L/B of river Kumatia from NH-15 to GurathaliChapori (Ch. 2 nd km to 9 th Km Pehiyati and Ch. 10 th to 11 th Km GurathaliChapori)	499.62
2	Guwahati East	Fortification of ring bund from Ch. 4300m to 6300m along R/B of river Barnadi from Mandakata hill to Lenga	391.15
3	Guwahati East	Procurement of instruments for check measurement for the office of the Chief Engineer, Quality Control, Water Resources Department, Chandmari, Guwahati	15.30
4	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
5	Chirang	A/E measures to protect villages Taisoguri, Garlajhar, Laokriguri and Santikunja from the erosion of Toklai river on L/B.	400.00
6	Kokrajhar	A/E measures to protect village Saralpara from the erosion of river Saralbhangha on L/B.	99.95
7	North Lakhimpur	Bathymetric and topographic survey of river Subansiri to supply data of river modeling.	10.38
8	Tezpur	Survey and investigation works for construction of new embankment from Owguri to Kolmouguri of river Sessa.	6.97
9	Silchar	Improvement of drainage facilities of Silchar town by providing additional sluice opening over Rangirkhari channel etc. (Review)	350.00
10	Nagaon	Construction of Inspection Bungalow and Watch Tower including boundary wall near Hatimura Hill.	150.00
11	Dhubri	Anti erosion measures to protect Hatipota, Kathaldi, Kazaikata & its adjoining areas from the river Gaurang on its R/Bank.	150.00
12	Dhubri	Anti erosion measures to protect Kutibhamadanga, Bhamadanga Pt-III and its adjoining areas from flood damages of river Raidak.	150.00
13	Guwahati West	Proposed RCC office building of Rangia W R Sub-Division at Rangia under Guwahati West W R Division	55.26
14	PWD/ WRD	Providing Air-conditioning facilities in the office of the Secretaries, WRD etc.	18.47
15	Nalbari	Reconstruction of Divisional office building and Executive Engineer's residence including boundary wall at Gopal Bazar, Nalbari	90.00
16	Dibrugarh	Construction of project facilitating Center/Guest House of Water Resources Department at Dibrugarh.	150.00
17	Nagaon	Protection of Hatimura dyke from Kukurkata Hill to Hatimura Hill at Sawguri village near Hatimura Shivmandir Including beautification.	500.00
18	UAID	Improvement of Sub-Divisional office building at Silghat (Ph-II)	19.99
19	Guwahati East	Construction of Godown for Central Material Bank at Basistha Guwahati and other ancillary structures	150.00
20	Hailakandi	Construction of office building of Superintending Engineer, Hailakandi W R Circle at Hailakandi.	50.00
21	Haflong	Protection of Boro Narayanpur village and surrounding areas from the erosion of Jatinga river, (Ph-I)	19.98
22	Haflong	Protection of Rangapur village and surrounding areas from the erosion of Jatinga river (L/B), Ph-I	17.03
23	Nagaon	Carriage of Boulder from Sullung to Stackyard at Hatimura , Ph-IV	16.00
24	Nagaon	Carriage of Boulder from Sullung to Stackyard at Hatimura , Ph-III	16.47
25	Nagaon	Carriage of Boulder from Sullung to Stackyard at Hatimura , Ph-I	14.69
26	Nagaon	Carriage of Boulder from Sullung to Stackyard at Hatimura , Ph-II	16.20
27	Nagaon	Carriage of Boulder from Sullung to Stackyard at Hatimura , Ph-V	16.64
28	Guwahati East	Improvement of Chief Engineer's office complex and providing lift, Ph-II	199.99
29	Nagaon	A) Rejuvenation of Kollong river (preliminary survey & investigation etc. work, Ph-1)	93.00

Sl No	Name of Division	Name of scheme	Estimated Amount
30	Nagaon	B) Rejuvenation at Kollong river (Bank protection work near Amlapatty area)	146.75
31	Nagaon	C) Rejuvenation at Kollong river-(Construction of boundaey pillar from hatimura to dipholu along the river Kollong)	15.78
32	Nagaon	D) Rejuvenation at Kollong river (Bankprotection work near Koliabor B. Ed College)	188.93
33	Nagaon	E) Rejuvenation at Kollong river-Construction of Watch tower including boundary wall near Hatimura hill	183.415
34	Nagaon	F) Rejuvenation at Kollong river (Protection work at Teliagaon and its adjoining area)	64.14
35	Nagaon	G) Rejuvenation at Kollong river-Protection work near SishuBidyapeeth High school at Konworitol	139.09
36	Nagaon	H) Rejuvenation at Kollong river-Protection work near Uluoni area Mishamukh area and near Khaloati Irrigation office	168.90
37		Survey of Brahmaputra Express Highway on both bank.	250.00
38	Guwahati Mech	Procurement of departmental vehicles	600.00
		Total	5774.09

B) New schemes under State Plan in Majuli for the year 2017-18

(Rs. in Lakh)

Sl No	Name of Division	Name of scheme	Estimated Amount
1	Majuli	Construction of sluice gate at 9 th km of Subansiri dyke from Malapindha to Molowal	259.03
2	Majuli	Construction of single shutter Sluice Gate at Naduwajan and at Manipurijan on existing B/dyke from Kakorikota to Guwalgaon	211.64
3	Majuli	Construction of Sluice gate in Majuli road at Potia	264.08
4	Majuli	Construction of Sluice gate and other structures etc, at Majuli (R/S to Tuni R/B embankment from Kamalabari to Kakarikata and providing Pucca crest from Kamalabari to Gualgaon at Majuli Ph-I)	1009.50
5	Majuli	Construction of Sluice gate and other structures etc at Majuli (Construction of Go-down for Material Bank at Sub Divisional Complex, Kamalabari)	120.00
6	Majuli	Construction of Sluice gate and other structures etc at Majuli (Construction of 1 st floor of office building and 2nd floor Guest house building of Majuli W R Division, Garmur)	135.74
			1999.99

C) Under FMP of XI Plan

(Rs. in Lakh)

Sl No.	Name of division	Name of scheme	Estimated cost
1.	Guwahati East	Construction of F/E along L/B of Digaru from NH- way to Kurkuria hill	1464.54
2.	Guwahati East	Extension of F/E along R/B of river Digaru from ch 7800 m to the confluence of L/B of river Kollong.	1481.43
3.	Chirang	Training of river Beki on L/B and activation of river Manas and Hakua at Mathanguri.	1466.30
		Total	4412.27

D) Under FMP of XII Plan

(Rs. in Lakh)

Sl No.	Name of division	Name of scheme	Estimated cost
1.	PGP	Protection of Makadhuj area from the erosion of river Brahmaputra (Construction of land spur at ch9560m)	1420.78
2.	Hailakandi	Anti-erosion measures to KatlicherraBaghan area on the left bank of river Katakhal adjacent to NH-154 PH-II(Length of 600m)	1427.90
3.	Dhubri	Anti erosion measures to protect Berabhanga area on L/B from the erosion of river Brahmaputra (Channelisation of river Brahmaputra from BaroBalurchar to Kalair Alga along with reclamation of eroded land within the reach)	1494.91
4.	Sivasagar	R/S to Dehing bund left bank from Joongaon to Laibeel including anti erosion measures at different reaches	1389.00
5.	Nalbari	A/E measures to Pagladia L/B embankment from Dusutumukh to Adabari including strengthening and widening of the Dyke at different reaches: 1 st Km (Kothalghopa), at 4 th Km (Hablakha) and at 6 th Km (Bullutpar).	1444.92
6.	Dhubri	Strengthening and extension of Dhubri town Protection works from Newghat to Aironjongla from the erosion of river Brahmaputra.	1489.98
7.	Hailakandi	Anti-erosion measures at Panchgram Das Colony area from the erosion of river Barak on its left bank (0-800 m)	1757.47
8.	Slichar	Flood Management work to protect the village Channighat and Laltugram from the erosion of river Rukni on its L/B including R/S to embankment from Baghabazar to Sundari.	1493.00
9.	Silchar	Protection of Sonabarighat, Uttarkrishnapur and Weavers colony-BerengaNathpara area from the erosion of river Barak on its Left bank.	2235.00
10.	Goalpara	Construction of retirement of B/dyke from Kharmuza to Balikuchi from Ch 11.55km to 13.46km at Solmari including A/E measures	2441.61
11.	Goalpara	Construction of retirement of B/Dyke from Balikuchi to Beldubi from Ch. 33.94KM (at Jaleswar) connecting to DRDA bund at Nichinpur including A/E measures.	2448.93
12.	Nalbari	A/E measures to protect B/dyke on R/B of river Brahmaputra from Adabari to Kukarjan including strengthening of the dyke from Ch. 26 th Km to Ch. 33 rd Km	1366.12
13.	Dhubri	A/E measures to protect Moisa and Belguri village from the erosion of river Gangadhar.	1497.00
14.	Guwahati East	R/S to F/E along R/B of river Barnadi from Halda to its outfall at Lenga at different reaches including A/E measures	1577.51
15.	Guwahati East	Anti Erosion measures to protect Soalkuchi town from the erosion of river Brahmaputra Ph-V	2271.24
16.	Baksa	Anti erosion measures at different reaches of river Dhansiri on its banks	1181.93
17.	Dhubri	Anti erosion measures to protect Bhalukmari and its adjoining areas from the erosion of river Brahmaputra	1177.91
18.	Dhubri	Channelization of Gangadhar River in between Chilarai bridge and Railway Bridge to protect Pub-Kanori, Ratiadah and Golokganj Town from the erosion of river Gangadhar.	1242.75
19.	Baksa	Anti erosion measures at different reaches of Dhansiri and its tributaries (Rowta and Rowtamukh river)	1246.10
20.	Nalbari	M.E. along both bank of river Mora-Pagladia from NH Way to Tihu-Akhra PWD Road (Raising & Strengthening of embankment including anti-erosion works on both banks at different reaches)	1800.64
21.	Dhakuakhana	Protection of B/dyke from Sissikalghar to Tekeliphuta at different reaches from Lotasur to Tekeliphuta from the erosion of river Brahmaputra (Review)	15536.67
22.	North Lakhimpur	Flood management of river Dikrong along with river training works on both banks embankments in the Lakhimpur district (Assam)	10595.37
23.	North Lakhimpur	Flood management of river Ranganadi along with river training works on both banks embankments in Assam	36142.92
24.	North Lakhimpur	Providing revetment and R/S to M/E along both banks of river Durpang from near Rajgarhali to its outfall at Pichala.	1058.50
25.	Mangaldoi	Anti Erosion measures in B/B of river Mangaldoi to protect Mangaldoi town and adjoining villages	1090.96
26.	P.G.P.	R/S to Brahmaputra dyke from Palasbari to Gumi from ch.0.00km to ch.21.20km	2369.72
27.	Tezpur	Protection of T/Dyke from Chilanipam to Orangbasti from the erosion of river Jiabharali on its left bank.	1364.60
28.	Tezpur	Protection of Biswanath – Panpur including areas of upstream Silamari and far down stream Bhumuraguri to Borgaon against erosion of river Brahmaputra	16709.00

Sl No.	Name of division	Name of scheme	Estimated cost
29.	Tezpur	Protection of Tezpur University and its adjoining areas from the erosion of river Jiabharali	2318.00
30.	Dhemaji	Anti erosion measures at different reaches of right bank of river Brahmaputra from BeraChapori to Chengajanghat	2192.18
31.	Dhemaji	A/E measures to protect both bank of river Simen in Jonai Civil Sub-Division.	2415.21
32.	UAID	Channelisation of river Brahmaputra from U/S of Neamatighat to Lality.	1453.77
33.	Mangaldoi	R/S of Bornadi L/B embankment from Patgirichuba to RK embankment.	1326.87
34.	Nagaon	Protection of Bhurbandha and its adjoining areas against the erosion of river Brahmaputra (construction of land spur)	2127.00
		Total	129105.47

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

(Rs. in Lakh)

Sl No.	Name of division	Name of scheme	Estimated cost
1.	PGP, Mirza	Anti erosion measures to protect Kalbagan area from the erosion of river Brahmaputra	350.00
2.	Guwahati East	Construction of sluice gate and other allied works at Dung Dung channel across L/B embankment of river Kollong near Ganesh Hill	750.00
3.	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
4.	Mangaldai	A/E measures to protect Chereng Bazar and its adjoining areas from the erosion of river Mangaldai & Brahmaputra	466.55
5.	Guwahati West	Pro-Siltation measures to protect Sarulah-Barlah village and its adjoining areas from the erosion of river Brahmaputra	500.00
6.	Guwahati West	A/E measures to protect Panikhati and Sontoli area from the erosion of river Brahmaputra	650.00
7.	Guwahati East	Channelisation of river Brahmaputra at Khanamukh, Garigaon, Dharapur & Garal area, Ph-I	750.00
8.	Morigaon	A/E works to protect from Muwamari to Leruamukh area from the erosion of river Brahmaputra	400.00
9.	Kokrajhar	A/E measures to protect village Simultapu Block, Simultapu-II and Birgaon village from the erosion of river Sonkosh under NABARD	300.00
10.	Kokrajhar	R/S of existing embankment with A/E measures on L/B of river Saralbhangra from Patgaon to Khalashi	300.00
11.	Kokrajhar	A/E measures to protect village Umanagar and its adjoining areas from the erosion of river Gangia	200.00
12.	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
13.	Dhubri	A/E measures to protect Bhangaduli and Pub Kaldoba village from the erosion of river Gangadhar	475.00
14.	Dhubri	Training of river Kanibhur and Kujia by prosiltation measures against severe damage at Bhadrangaon village and its adjoining areas	98.00
15.	Nagaon	Protection of Hatimura dyke and its adjoining areas from the erosion of river Brahmaputra	550.00
16.	Nagaon	A/E measures to protect Borghuli and its adjoining areas from the erosion of river Brahmaputra	750.00
17.	Nagaon	A/E measures to protect Pub Guimari and PachimGuimari from the erosion of river Kopili, Ph-I	400.00
18.	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
19.	Guwahati East	R/S to B/dyke on R/B of river Brahmaputra from Lenga to Dirgeshwari hill (From Ch.2760m to 3515m)	325.00
20.	Dibrugarh	Protection of T/dyke along the R/B of river Burhidehing from Deochalli hill to Tiplinghat (Ph-I)	400.00
21.	Dibrugarh	Construction of embankment to prevent the back flow of Brahmaputra river water at Barekuri area (Ph-I)	800.00
22.	Dibrugarh	R/S on the L/B of Disam river from Ghuguloni to Disam outfall(Ph-I)	200.00
23.	Haflong	Protection of Siding area at Maibang (Near Dimasa Kingdom Stone House) from erosion of river Mahur(L/B)	88.96
24.	Haflong	Protection of Mahur Town area from the erosion of Diyung river	72.37

Sl No.	Name of division	Name of scheme	Estimated cost
25.	North Lakhimpur	Protection work on R/B of river Subansiri at Hekerajan near Boginadi(Ph-I)	750.00
26.	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
27.	Barpeta	A/E measures to protect SundardiaSatra and its adjoining areas from the erosion of river Nakhanda(Ph-I)	407.00
28.	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
29.	Sivasagar	A/E measures to protect Sonari Town and its adjoining areas near Ward No.12 from the erosion of river Towkak	300.00
30.	Majuli	Flood Protection of Majuli Island at B/dyke including fortification of existing embankment from Tekeliphuta to Haldhibari for 2016-17	600.00
31.	Dhemaji	R/S to B/dyke from Deorighat to Sissikalghar from Ch.18150m to 27175m including A/E measures (Ph-I)	450.00
32.	U.A.I.D. Jorhat	R/S of Brahmaputra dyke from Rongdoi to Neamati	450.00
33.	Baksa	A/E meausre at different reaches of Bhola river on its B/B under RIDFXXII	600.00
34.	Baksa	A/E measures including closing avulsion of Suklai river on its B/B under Udalguri district	500.00
35.	Baksa	Reconstruction of existing submersible dam at Tarabari including protection works on its R/B in the river Dhansiri	600.00
36.	Hailakandi	A/E measures to protect Sahabad-Rongpur area including NH-154 from the erosion of river Khatakhal on its L/Bank (Length=165m)	350.00
37.	C.I.D. Badarpur	A/E meausres to protect Mohadevpurarae 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
38.	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
39.	Jorhat	A/E measures at different reaches of Jhanji river (Construction of single barrel box sluice culvrts on Jhanji bund L/B at Bhakatgaon and Hatiporagaon)	160.00
40.	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
41.	Goalpara	A/E measures to protect Baladmari and its adjoining area from the erosion of river Brahmaputra	450.00
42.	Tezpur	Protection of Gangmouthan and its adjoining areas from the erosion of river Borgang on L/Bank	500.00
43.	Tezpur	Protection of Left bank of river Jiabharali at up stream of NH-52	450.00
44.	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
45.	Nalbari	A/E measures against bank erosion at different reaches of river Tihu (Bhadrakuchi and its adjoining areas)	200.00
46.	Barpeta	A/E measures to protect Safarkamar and its adjoining area from erosion of river Beki	400.00
47.	Morigaon	Protection of Sarukuloi area including R/S to ring bund at Dimoruguri, Satabori and Borkuloi along R/B of Kollong river	400.00
48.	Barpeta	Protection of Jadavpur, Donga and its adjoining areas by channelization of river Brahmaputra and reclamation of eroded land within the reach	300.00
			19917.57