

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

LOK SABHA

UNSTARRED QUESTION NO. 3750

ANSWERED ON 23.03.2023

RIVER BANK EROSION

3750. SHRI ABDUL KHALEQUE

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) whether the Government is aware that the river bank erosion has affected Mahchara NC, Roumari, Bamundogra, Pharpur, Bhoiraguri, Radhakuchi, Govindapur, Balikuri NC, Ishabpur, Moinbari areas of Barpeta district, Chatpara, Mererchar, Kushabari, Dubachuri, Madhuphal, Bashbari, Kacharipeti, Boroichala areas of Bongaigaon district caused by the rivers Brahmaputra, Aye, Beki, Tihar, Manas and if so, the details thereof;
- (b) the measures taken/proposed to be taken by the Government to prevent erosion in these/such areas;
- (c) whether the Government proposes to take immediate measures to protect life and properties in the aforementioned areas and if so, the details thereof; and
- (d) whether the Government proposes to prepare a Detailed Project Report (DPR) for integrated flood and erosion protection from river Aye and Manas and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) Yes, Sir. As per information provided by Water Resources Department of Government of Assam, river bank erosion has affected areas of Barpeta and Bongaigaon districts caused by the rivers Brahmaputra, Aye, Beki, Tihar, Manas. Further, Central Water Commission has conducted the Morphological study of River Brahmaputra using Remote Sensing, through consultancy by IIT Guwahati. As per this study, the erosion area of Barpeta and Bongaigaon districts on the left bank and right bank of river Brahmaputra, is attached at **Annexure-I**.

(b) & (c) The projects for flood management including erosion control falls within the purview of the States. Flood management and anti-erosion schemes are formulated and implemented by concerned State Governments as per their priority. The Union Government supplements the efforts of the States by providing technical guidance and also promotional financial assistance for management of floods in critical areas. As informed by Government of Assam, presently 3 nos. schemes costing Rs. 405.62 Crore have been taken up and 15 nos. schemes including immediate measures costing Rs. 53.73 Crore

have already been implemented to prevent flood and erosion under Barpeta District of Assam (**Annexure-II**). Similarly, 7 no. schemes costing Rs. 23.77 Crore have been taken up by Government of Assam as immediate measures for the flood and erosion prone locations under Bongaigaon District of Assam (**Annexure-III**).

(d) Water Resources Department, Government of Assam has informed that a flood management project namely “Integrated Flood and Erosion Management of Manas and Beki River in the District of Baksa and Barpeta in Brahmaputra Valley within Assam (Review)” with an estimated cost of Rs. 400.22 Crores has been approved for execution under World Bank funded Assam Integrated River Basin Management Programme (AIRBMP) and work under this project has already been started.

Further, a scheme “Protection of village Domgaon, Dababeel, Chotonilibari, Debargaon, Dangaigaon, Birengaon, Bherbheri, Rowmari, Khagrabari, Sanyashibari, Uttar-Popragaon and Popragaon from the erosion of river Aie (Estt. cost Rs 125.21 Crore)” has been included for central funding under scheme Flood Management and Border Area Programme (FMBAP) of Department of Water Resources, River Development and Ganga Rejuvenation.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3750 TO BE ANSWERED IN LOK SABHA ON 23.03.2023 REGARDING “RIVER BANK EROSION”.

District-wise erosion area on right bank of Brahmaputra

| DISTRICT/YEAR | EROSION AREA (Sq.Km) | | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|-----------|
| | 1976-1980 | 1993-1995 | 2003-2004 | 2008-2011 | 2016-2017 |
| BARPETA | 190.32 | 291.61 | 195.99 | 431.43 | 418.39 |
| BONGAIGAON | 15.308 | 7.1155 | 9.8927 | 27.276 | 0.0615 |

District-wise erosion area on left bank of Brahmaputra

| DISTRICT/YEAR | EROSION AREA (Sq.Km) | | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|-----------|
| | 1976-1980 | 1993-1995 | 2003-2004 | 2008-2011 | 2016-2017 |
| BARPETA | 54.013 | 123.30 | 56.067 | 58.483 | 26.307 |

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) & (c) OF UNSTARRED QUESTION NO. 3750 TO BE ANSWERED IN LOK SABHA ON 23.03.2023 REGARDING “RIVER BANK EROSION”.

**LIST OF SCHEMES ALREADY IMPLEMENTED/UNDER IMEPLENATATION FOR
PROTECTION OF LIFE AND PROPERTIES UNDER BARPETA DISTRICT**

| SI NO. | Name of Scheme | Estimated Cost/Work Value (Rs. In Crore) |
|--|--|--|
| A. Under Implementation | | |
| 1 | “Integrated Flood and Erosion Management of Manas and Beki River in the District of Baksa and Barpeta in Brahmaputra Valley within Assam (Review)” under World Bank funded Assam Integrated River Basin Management Programme (AIRBMP). | 400.22 Cr. |
| 2 | Pro-siltation measures to protect Joypur, Dhakaliapara area D/S of PachimMoinbori from the erosion of river Aye-Manas(Ph-I) under NABARD-XXV. | 1.90 Cr. |
| 3 | Anti-erosion measures to protect the Madhufall area from the erosion of river Aye-Manas (Ph-I) | 3.50 Cr. |
| Total | | 405.62 Cr. |
| B. Already Implemented since 2012 | | |
| 1 | Immediate measures to B/dyke from Bahari to Baghbar (Closing of breach gap at Pazarbhanga area with ancillary works) under SDRF for 2012-13. | 6.9743 Cr. |
| 2 | Immediate measures to close breach by construction of retirement on R/B of river Brahmaputra at Pulbari including Pro-siltation measures under SDRF for 2013-14. | 4.1703 Cr. |
| 3 | Immediate measures to close breach of B/Dyke from Bahari to Baghbar at Belortari area under SDRF for 2014-15 | 4.7970 Cr. |
| 4 | Immediate measures for recoupment of flood damages of B/Dyke from Bahari to Baghbar at different reaches under SDRF for 2014-15. | 4.5829 Cr. |
| 5 | Immediate measures for recoupment of flood damages at Bahari, Bhogerpar and Khapanbari area of Brahmaputra dyke under SDRF for 2016-17. | 5.7509 Cr. |

| | | |
|--------------|--|------------------|
| 6 | Immediate measures to B/Dyke from Bahari to Baghbar (Breach closing works at Paharpur (katuli) Ch.52.60Km & recoupment of breach like damages at different reaches in between ch.48.00km to ch.68.00km) under SDRF for 2017-18. | 4.250 Cr. |
| 7 | Immediate measures to B/Dyke for restoration of flood damages from Bahari to Baghbar at different reaches under SDRF for 2017-18 | 2.800 Cr. |
| 8 | Immediate measures to B/Dyke from Bahari to Baghbar for recoupment of breach like damages at different reaches under SDRF for 2018-19. | 2.000 Cr. |
| 9 | Immediate measures for recoupment of flood damages of B/Dyke from Bahari to Baghbar for restoration of Bahari Satra under SDRF for 2018-19. | 1.800 Cr. |
| 10 | Immediate measures to B/Dyke from Bahari to Baghbar for recoupment of breach like damages in between ch.38900m to ch.39000m, ch. 42879m to 44235m and ch.48650m to 48858m including pro-siltation measures at different reaches under SDRF | 2.000 Cr. |
| 11 | Immediate measures for repairing of flood damages to Brahmaputra right bank at paharpur and its adjoining areas under SDRF for 2020-21 | 2.500 Cr. |
| 12 | Recoupment of breach like damages of B/dyke from Bahari to Baghbar at different reaches (at Fulbari, Dokreswar, Chesra and Dighirpam) from ch.41700m to ch.42700m, ch.44800m to ch.45800m & ch.58240m to ch.61240m | 6.000 Cr. |
| 13 | Assam integrated flood and river bank erosion risk management project for Chenimari, Bahari, Bhogerpar and its adjoining areas(Including protection of Bahari Satra & Dokreswar Devalaya) Ph-1 | 1.800 Cr. |
| 14 | Protection of Garaimari, Rahampur and its adjoining areas from the erosion of river Brahmaputra by pro-siltation measures and reclamation of land within the reach.(ph-II) | 2.000 Cr. |
| 15 | Immediate measures to B/dyke from Bahari to Baghbar for recoupment of breach like damages at different reaches in between ch. 41100m to 52200m including pro-siltation | 2.300 Cr. |
| Total | | 53.73 Cr. |

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (b) & (c) OF UNSTARRED QUESTION NO. 3750 TO BE ANSWERED IN LOK SABHA ON 23.03.2023 REGARDING “RIVER BANK EROSION”.

LIST OF SCHEMES TAKEN UP FOR PROTECTION OF LIFE AND PROPERTIES UNDER BONGAIGAIN DISTRICT

| SI NO. | Name of Scheme | Estimated Cost/Work Value (Rs. In Crore) |
|---------------|--|--|
| 1 | Immediate Measures for recoupment of Pachonia area from flood devastation of river Brahmaputra on its right bank under SDRF for 2021-22 | 2.50 Cr. |
| 2 | Immediate Measures for recoupment breach like damages at Huramara from ch 3400.00m to 3900.00m of Sidalsuti to Merrerchar WRD embankment of river Aye on its R/B under SDRF for 2020-21 | 2.00 Cr. |
| 3 | Immediate Measures for closing of breach gap of Sidalsati-Merrercharembkt. Of river Aye at Lalmati area including strengthening and bank restoration at different reaches under SDRF for 2021-22 | 10.00 Cr. |
| 4 | Immediate measures for recoupment and strengthening of flood damaged structure at Huramara Pt-2 of Sidalsati-Merrerchar WRD Embankment under SDRF for 2021-22.(PART-A) | 1.32 Cr. |
| 5 | Immediate measures for recoupment and strengthening of flood damaged structure at Huramara Pt-2 Of Sidalsati-Merrerchar WRD Embankment under SDRF for 2021-22.(PART-B) | 1.00 Cr. |
| 6 | Immediate measures for bank restoration at Bashbari area to protect from flood devastation of river Aye under SDRF for 2022-23 | 4. 10 Cr. |
| 7 | Immediate measures for bank restoration at Dubasuri area to protect from flood devastation of river Aye under SDRF for 2022-23 | 2. 85 Cr. |
| Total | | 23.77 Cr. |
