

## Activities of Brahmaputra Board

With the objective of planning and integrated implementation of measures for control of floods and bank erosion in Brahmaputra Valley and for matters connected therewith, Government of India constituted Brahmaputra Board, a Statutory Body by an Act of Parliament Brahmaputra Board Act 1980. The Board consists of 4 as full time Member, Financial Adviser Ex-officio member and 17 part time Members representing 7 States of the North Eastern Region, North Eastern Council, concerned Ministries of Government of India namely Jal Shakti, Finance, Agriculture, Power, Surface Transport and Organisations of Government of India, namely CWC, CEA, IMD and GSI.

### Functions:

- Preparation of Master Plans for the control of flood and bank erosion and improvement of drainage with due importance to the development and utilization of Water Resources for irrigation, hydropower, navigation and other beneficial purposes.
- Preparation of Detailed Project Reports and estimates of projects/schemes proposed in the Master Plans
- Formulation of programme, in consultation with State Government(s), for construction / implementation, in phases, of dams and other projects identified in the Master Plans, approved by Government of India
- To construct, operate and maintain of Water Resources Projects within the Jurisdiction.

### Achievements:

- Out of identified 70 basins / sub-basins for preparation of Master Plan, 60 Master Plans completed so far.
- 52 Master Plans including Brahmaputra Main Stem and Barak approved by Govt of India and submitted to the concerned states for implementation of the recommendations of the Master Plans.
- Detailed Project Reports(DPRs) of 7 multipurpose projects have been completed by Board.
- DPRs for 15 drainage development schemes techno-economically cleared.
- Implementation of Anti-erosion / Flood Control schemes:

### A. NEW INITIATIVES:

New initiatives in the direction of integrated water management following activities were taken by Board:

- a. **Setting up of North East Water Resources Data Centre(NEWRDC):** To facilitate single window for Water Resources Data sharing, Board has initiated for setting up of North East Water Resources Data Centre. WAPCOS has been engaged as Project Management Consultant (PMC) for development of NEWRDSC. DPR preparation is in progress.
- b. **Scientific dissemination and improvement of Water Management practices of local tribes and indigenous people of NE Region:** A Pilot Project has been taken up for Scientific Dissemination and Improvement of Water Management practices of local tribes and indigenous people of (i) Apatani inhabited Ziro Valley & one

more area in Arunachal Pradesh, (ii) Chakhesang tribe of Phek district in Nagaland, (iii) Bodo tribe of Baksa district in Assam. DPR for Dong Irrigation is under preparation.

- c. **Soft Measure for Flood and Erosion Management:** A pilot project to ascertain the effectiveness of bio-engineering solution for river bank erosion of Brahmaputra has been proposed to taken up in two locations viz. (i) Right bank downstream of Kordoiguri of river Brahmaputra and (ii) Right bank at Dakhinpat at Majuli Island of river Brahmaputra.

## **B. North Eastern Hydraulic and Allied Research Institute (NEHARI):**

This institute was established under Brahmaputra Board at Rudreswar, North Guwahati as per clause 7 of Assam Accord, and operationalized during 1996. The main functions of NEHARI are material testing, carrying out Hydraulic model studies etc. Facilities such as Hydraulic Laboratory with model trays and flumes and Laboratories for testing soil, concrete, other construction materials and foundation rock exist in the institute. Rejuvenation and renovation of NEHARI has been lunched with following components:

- Training of manpower at institutes of repute like CWPRS, Pune and CSMRS, New Delhi.
- Replacing the old irreparable machineries / equipment with latest laboratory machineries / equipment & Repair the repairable machineries / equipment
- Renovation of infrastructure at NEHARI

## **Works in hand/under process at NEHAR**

- Requests from NF Railway to carry out physical model study for construction of a bridge at Tezpur is under process of approval of competent authority in Railway
- Physical model study of Majuli area under “Mathematical Modelling of River Brahmaputra with Emphasis on Climate Change” is in progress

## **C. Ongoing works:**

- (i) Protection of Majuli Island from flood and erosion of river Brahmaputra funded by MoDoNER for Rs. 207 crore is in progress. Progress upto September, 2020 is 87.98 % with expenditure of Rs. 154.78 crore.
- (ii) Protection of Mankachar, Kalair-Alga International Border area from erosion of river Brahmaputra for Rs. 20.25 crore. Overall progress is 80.9 % wit expenditure of Rs. 16.29 crore.
- (iii) Restoration of rivers Dibang and Lohit to their original courses Phase-V - Conversion of the existing tie bund across the spill channel of river Dibang in to a full-fledged embankment at Bahbari and construction of new embankment -Part-A of Phase – V- Rs. 24.95 crore. Overall progress is 0.15 % wit expenditure of Rs. 0.06 crore upto September, 2020.
- (iv) Anti-Erosion measures for bank protection of Bhajaner Charra, Nishiganj area under Cooch Behar Block No. II along the left bank of River Mansai at Cooch Behar district in West Bengal Rs. 4.90 crore. Overall progress is 28.42 % with expenditure of Rs. 1.14 crore upto September, 2020.
- (v) Bank protection work at Bhogdebri area on the Right Bank of River Mansai in Cooch Behar district in West Bengal Rs.4.68 crore. Overall progress is 5 % with expenditure of Rs. 3.11 crore upto September, 2020

- (vi) Protection of Balat village from erosion of river Umngi in West Khasi Hills district of Meghalaya Phase-II Rs. 12.87 crore. Overall progress is 5% with expenditure of Rs. 1.27 crore upto September, 2020

**D. Completed Schemes:**

- (i) Protection of Majuli Island - Immediate measures, Phase-I, Emergent Works, Phase-II & III amounting to Rs. 195.05 crore up to September, 2020.
- (ii) Avulsion of Brahmaputra at Dholla Hatighuli –Phase-I, II, III & IV amounting to Rs. 78.52 crore.
- (iii) Protection of Nagrijuli, Rangia Town and Mukalmua/ Barbhag area from flood & erosion of Puthimari river, Assam amounting to Rs. 4.29 crore.
- (iv) Protection of Kushiabil area in Nagaland, Phase-I & Phase-II amounting to Rs. 2.39 crore
- (v) Protection of Balat village in Meghalaya Part-I amounting to Rs. 4.81 crore
- (vi) Protection of Masalabari Indo-Bangladesh Border area from erosion of river Brahmaputra amounting to Rs.5.94 crore
- (vii) Execution of Drainage Development Schemes: Harang Rs. 33.95 crore, East of Barpeta Rs. 2.67 crore, Jengrai Rs. 3.55 crore and Jakaichuk Drainage Development Schemes Rs. 2.50 crore completed
- (viii) 19 Raised Platforms constructed for shelter for marooned people and live stock during Flood

**E. Monitoring of Schemes by Schemes Brahmaputra Board undertaken in State Sector and financial assistance provided by Government of India during X,XI, XII and beyond XII Plan under Central Sector Planned Schemes CSS/FMP/FMBAP**

The Brahmaputra Board is entrusted with monitoring of scheme under Flood Management Programme in respect of entire North Eastern Region including Sikkim and part of West Bengal falling under Brahmaputra Basin since X Plan.

Scheme undertaken by Government of India during X, XI, XII Plan and beyond XII Plan up-to 2019-20 under Flood Management Programme and monitored by Brahmaputra Board is shown below –

Rs in crore		
Plan	No of Schemes	Central Assistance Release
X Plan	74	146.20
XI Plan	201	1063.58
XII Plan	64	197.27
Beyond XII Plan		
2017-18		266.67
2018-19		152.96
2019-20		85.03