

Government of India
Ministry of Water Resources
River Development & Ganga Rejuvenation
Brahmaputra Board

Basistha, Guwahati -29
Dated June 08, 2015

To

The Commissioner(B&B)
Ministry of Water Resources,RD&GR
2nd floor, Block No. 3
CGO Complex, Lodhi Road
New Delhi-110 003


Sub : Petition of Shri M. N. Hazarika, Morigaon Ward No. 4

Sir,

Kindly refer to letter No. WR(C)211/04/Pt-IV/267 dated 27.04.2015 from Government of Assam enclosing therewith letter No. PMO/PMP/14/00057870 dated 10.02.2015 from PMO (copy enclosed) on the subject cited above. Shri M. N. Hazarika of Morigaon, Assam in his letter to Hon'ble Prime Minister of India mentioned about erosion and flood of Majuli Island. A note on "Details of works carried out by Brahmaputra Board for protection of Majuli Island from floods and erosion since the year 2004 till date" pertaining to Brahmaputra Board is enclosed for favour of needful please.

Yours faithfully,

Encl : As above


(J. C. Mazumdar)
Executive Engineer (HQ)

Copy to for favour of information to:-

1. The Secretary to the Government of Assam, Water Resources Department, Dispur, Guwahati-6. This is with reference to letter No: WR(C) 211/04/pt-IV/267 dated 27.04.2015
2. Shri V. B. Hariharan, Section Officer, Prime Minister's Office, South Block, New Delhi- 110 011

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Executive Engineer (HQ)

Details of works carried out by Brahmaputra Board for protection of Majuli Island from floods and erosion since the year 2004 to till date -

1. Works under Immediate Measure

Important works executed under 'Immediate Measures sanctioned for ₹ 6.22 crore (Period of execution from January,2004 to February, 2005)

- (a) Closing of 20 breaches on Malual-Malapindha dyke and PWD Road,
- (b) Raising and Strengthening of 5.55 km long embankment from Kamalabarighat to Kharkharijan and
- (c) Construction of permeable RCC porcupine screens / spurs / dampeners at various locations.

2. Works under Protection of Majuli Island from flood and erosion- Phase-I sanction for ₹ 56.07 crore (Period of execution from March ,2005 to April, 2011)

Important works executed under 'Phase-I' are-

- (a) Plugging / closure of 3 breaches on Pahumora-Garmur-Jengrai-Haldibari (PGJH) road,
- (b) Raising and strengthening of 90.70 km of embankment,
- (c) Anti-erosion measures in the form of RCC porcupine screens/spurs/dampeners in erosion prone reaches and
- (d) Construction and repair of nose portion of land spurs at Sonowal Kachari and Kandulimari.

3. Protection of Majuli Island from flood and erosion -Emergent Works sanctioned for ₹ 4.99 crore

(Period of execution from April, 2008 to September, 2008)

The 'Emergent Works', basically involved construction and laying of RCC porcupine screens / dampeners at the following vulnerable locations -

- (a) Bhogpur area , downstream of Sumoimari check bund,
- (b) Downstream of Kharkharijan in Begena-ati,
- (c) Kamalabari reach,
- (d) Bhakatchapori-Pakhimuri and
- (e) Bessamara and Dakhinpat reaches

4. Protection of Majuli Island from flood and erosion Phase-II and Phase-III sanctioned for ₹ 115.99 crore

The work under are Phase-II and Phase-III were started in March, 2009. The overall progress of works is 89.08 % up to April, 2015 is shown below.

Sl. No.	Works completed/ under execution	Progress in %age (upto April, 2015)	Remarks
1.	Construction of 5 Boulder Spurs	91.00	3 nos completed Work for rest 2 nos under progress
2.	Casting and laying of RCC Porcupines (1,28,243 porcupines)	87.00	Work is in progress
3.	Bank revetment with geo-bags at 4 (four) locations	Completed	
4.	Bank revetment with boulder at Jengrai	Completed	
5.	Raised Platform at 5 locations	Completed	
6.	Construction of Check bunds at Sonowal Kachari and Kandulimari	Completed	

Future plan

Protection of Majuli Island from flood and erosion Phase-IV based on recommendation of 8th and 9th visit of Standing Committee of Experts to Majuli Island.

The estimate "Protection of Majuli Island from Floods and Erosion - Phase-IV" amounting to ₹ 213.61 crore has been prepared by Brahmaputra Board and submitted to Central Water Commission for 'Techno-Economic Evaluation' and approval of Technical Appraisal Committee (TAC) of Ministry of Water Resources (MoWR). The proposed important works under Phase IV are listed below –

Sl. No.	Particulars
1	Construction of a spur at Kamalabari ghat, Majuli
2	Construction of Tie Bund made of geobags from Sumoimari to Kamalabari on the right bank of river Brahmaputra for protection of Majuli Island and for stabilization of deposited area.
3	Construction of Tie Bund made of geobags at Karatipar on the right bank of river Brahmaputra for protection of Majuli Island and for stabilization of deposited area.

4	Construction of Tie Bund made of Geo-Bags in upper Majuli area at Jabarchuk and downstream of Kandulimari on the right bank of river Brahmaputra for protection of Majuli Island and for stabilization of deposited area - 2 locations
5	Construction of Tie Bund at Jabarchuk, Kandulimari, Sarlasuti, Bhakat Chapori etc - generic scheme at 5 locations
6	Excavation of Pilot Channel to guide the Brahmaputra main channel approaching from Dikhowmukh and striking at Salmora at about 3 Km u/s of Spur No-1
7	Estimate for removal deposited material in front of Spur No-1 from the sand bar opposite to Salmara area.
8	Construction of RCC porcupine screens, spars and dampeners in river Brahmaputra from Tekeliphuta to Ukhalchuk for 3 years.
a)	Construction of RCC porcupine screen in river Brahmaputra near pilot channel about 3 km u/s of spur no.1 to guide the Dikhow channel of river Brahmaputa
b)	Construction of RCC porcupine screen in river Brahmaputra from Sumoimari to Kamalabari along and across the proposed Tie bund at Sumaimari
c)	Construction of RCC porcupine screen in river Brahmaputra along the proposed Tie bund at Karatipar
* d)	Strengthening of RCC porcupine screens and dampeners constructed under Phase II & III at different locations -
9	Emergency bank protection work with geobags for Protection of Majuli island
10	Maintenance of 5 nos spurs already constructed
11	Maintenance of existing bank revetment

Beside the above, based on overall assessment of Brahmaputra Board, a comprehensive proposal for protection of Majuli Island has been prepared by Brahmaputra Board for ₹ 929.08 crore. The provision includes work under Phase-IV of Majuli Protection work and works under proposal of Assam State Water Resources Department for protection of North Bank of Majuli Island.

Present physical & Financial status of works of Protection of Majuli Island

(₹ in Crore)

Sl. No.	Name of Scheme	Sanctioned Amount	Date of Starting	Date of Completion	Fund utilized till April, 2015	Physical progress upto April, 2015
1	Immediate Measures for protection of Majuli Island	6.22	January/2004	February/2005	6.07	100%
2	Protection of Majuli Island, Phase-I	56.07 (Revised)	March /2005	April/2011	52.63	100%
3	Emergent work for Protection of Majuli Island	4.99	April/2008	September/2008	4.62	100%
4	Protection of Majuli Island, Phase-II&III	115.99 (Revised)	March /2009	Continued	103.96	89.08%
	Grand Total				167.28	