

NORMAL ACTIVITIES

Brahmaputra Board has completed the following works:-

The Brahmaputra Board prepared Master Plan Part-I for Main Stem of river Brahmaputra and Part-II for Barak river and its tributaries which were approved by Government of India in 1997.

Under Master Plan Part-III, Brahmaputra Board identified 49 Nos. Sub-Basin Master Plans on tributaries of Brahmaputra and Barak and rivers of Tripura. Out of these, Government of India has approved 32 Nos. and balance are under various stages of preparation.

Brahmaputra Board identified 34 Nos. of Drainage Development Schemes, out of which Detailed Project Reports for 9 Nos. have been prepared and 23 Nos. are under various stages of preparation. Out of 9 schemes for which DPR has been prepared, 2 are under escalation.

The Brahmaputra Board undertook survey, investigation and Detailed Project Report preparation for 15 Nos. of multipurpose projects of which DPR of 5 Nos. of projects, namely, Subansiri, Dihang (handed over to NHPC), Tipaimukh (handed over to NEEPCO), Bairabi (handed over to Mizoram Govt.) and Pagladiya under execution by Brahmaputra Board have been completed and balance are under various stages of preparation.

CONSTRUCTION ACTIVITIES

Brahmaputra Board has taken up the following Projects/Schemes:-

- Harrange Drainage Development Scheme
- Pagladiya Dam Project
- New Scheme for Majuli Island in Assam, Dibang Project, etc.

- Dholla-Hatighuli Project (Phase I & II)
- Immediate Measures for Protection of Majuli Island from Flood and Erosion
- Borbhag Drainage Development Scheme
- Long-term Measures for Protection of Majuli Island from Flood and Erosion Phase-I

- Critical Flood Control and Anti-erosion Scheme in Brahmaputra and Barak Valley - The schemes will be executed by concerned State Governments and monitoring will be done by Brahmaputra Board.

Plan Schemes under Brahmaputra Board

Grant-in-aid to Brahmaputra Board Scheme

This is a continuing scheme of Brahmaputra Board to carry out the following functions:-

- Preparation of Master Plans for Brahmaputra and Barak Valley Projects
- Survey, Investigation and Preparation of DPRs of Drainage Development Schemes.
- Survey, Investigation and Preparation of DPRs of Multi-purpose projects.

- Upgradation of the North Eastern Hydraulic and Allied Research Institute (NEHARI) with certain specialized equipments to enable it to take up all kind of foundation investigation and material testing required for projects in NER.

An amount of Rs.102 crore has been provided to the Brahmaputra Board for the 10th Five Year Plan, of which an amount of Rs.21.76 crore has been earmarked for 2005-06. About 70% of the expenditure is utilized for salary and Establishment related items. An amount of Rs.48.14 crore has been released in the first three years of Tenth Plan.

HARRANG DRAINAGE DEVELOPMENT SCHEME

The Scheme, approved for implementation through North Eastern Council (NEC) in 1991 as a pilot scheme at an estimated cost of Rs.4.9 crore could not be implemented due to non-allocation of funds by NEC. The Brahmaputra Board took up the scheme in IX Plan at an estimated cost of Rs.10.81 crore. However, due to changes in design parameters, the estimate had to be revised. Revised estimates amounting to Rs.30.49 crore has been approved by MOWR. The execution of this scheme taken up by Brahmaputra Board in IX Plan is in progress. On completion, this scheme will benefit 8,300 families and make available 79 sq km additional land between April to September and 39.5 sq km between October to March for agricultural activities. The scheme is scheduled to be completed shortly.

The scheme has the following components:

- Construction of two number sluices
- Re-sectioning of existing channel
- Construction of embankment connecting the sluices

Year-wise Financial and Physical Progress :

Year	Financial (Rs. in crore)	Physical
1997-98	1.000	-
1998-99	0.240	4%
1999-2000	3.540	6%
2000-01	4.290	10%
2001-02	1.850	10%
2002-03	5.000	18%
2003-04	10.13	22%
2004-05	4.44	25%
Total	30.49	95%

PAGLADIYA DAM PROJECT

The Government of India had cleared the construction and execution of Pagladiya Multi-purpose Dam project in January 2001 at an estimated cost of Rs.542.90 crore to be completed by December, 2007. Brahmaputra Board had taken up the implementation of the project. As per the DPR prepared in November 1992, the project envisages construction of 26.20 m high and 23 km long earth dam and ogee

with chute type spillway across river Pagladiya. Central Water Commission (CWC) prepared the DPR stage designs and drawings. The project is meant for flood moderation, irrigation of an area of 54,160 ha and generation of power (3 MW).

A Rehabilitation & Resettlement Committee was constituted under the Commissioner & Secretary (Revenue) to the Government of Assam to oversee and implement the resettlement and rehabilitation for the project. The Government of Assam allotted 956 ha of land in 33 locations for resettlement and rehabilitation against a total requirement of 3256 ha. The Government of Assam issued land acquisition notification in 37 villages during November 2002 to March 2003, which will be affected due to submergence. Land yet to be acquired by State Government.

The cost of the project has been increased to Rs.1069.40 crore (January 2004 price level). The increase in cost is mainly due to price escalation, change in design/quantity and additional requirement. A Standing Committee under the Chairmanship of Secretary (WR)/Additional Secretary (WR) with members from Planning Commission, Department of Expenditure, Ministry of Finance and Department of Programme Implementation was constituted in August, 2003. The Committee in its report (in January, 2004) reviewed the cost and time over-run. It was viewed by the Committee that the current designs have been firmed up on the basis of necessary investigations, which were envisaged at the time of approval of the cost estimates by the PIB in March, 2000. In the PIB meeting, it was stated that the outlay designs would be based on the updated geological and hydrological studies before the project is taken up for implementation. It was also viewed that delay in taking up of the project was due to non-handing over of the land by the State Government for the project as well as R&R purposes. Therefore, it was recommended by the Committee that the work of land acquisition should be expedited by the State Govt. and the project should be implemented in full swing only after ensuring its full preparedness in terms of availability of the resources including land, aggregates and a firm schedule for implementation of R&R, environmental protection plan and total implementation plan of the project itself. As per the revised cost proposal, the project is scheduled to be completed by March, 2008.

The implementation of the project is dependent on Zirat survey (property assessment), which is to be taken up by the State Government. The issue has been taken up at different levels with the Government of Assam by MOWR. The Government of Assam has recently constituted a Cabinet Committee on implementation of Pagladiya Dam Project to examine and resolve all outstanding issues relating to non-completion of Zirat Survey etc. The first meeting of the Cabinet Committee was held on 22.04.2005 minutes of which are awaited.

The PIB Memo with the revised cost was circulated to the appraising agencies in June, 2004 and the PIB meeting scheduled to be held on 22.09.04 was postponed. Due to the pending Zirat survey, the next meeting of PIB to consider the revised cost of the project is also held up.

Year-wise Releases:

(Rs. in crore)

Year	Releases (Rs)
2000-01	24.82
2001-02	17.50
2002-03	0.000

2003-04	-07.50*
2004-05	-06.50*
	1.00
Total	29.32

*Unspent money lying with Brahmaputra Board was returned back to MOWR.

New Scheme for Majuli Island in Assam, Dibang Project, etc.

An amount of Rs.42 crore (likely to be increased to Rs.76.56 crore) has been earmarked in the 10th Five Year Plan for the scheme. One component of the scheme, viz., "Avulsion of river Brahmaputra at Dholla-Hatighuli" Phase-I at an estimated cost of Rs.10.47 crore has been approved in January, 2003 and taken up by Brahmaputra Board. For the balance amount, Brahmaputra Board prepared an SFC on "Drainage Development Scheme" and "New Anti-erosion Schemes" at an estimated cost of Rs.24.81 crore and EFC for Protection of Majuli Island Phase-I was estimated to cost Rs.41.28 crore. The SFC and EFC have been approved by the Govt. of India in January, 2004 and January, 2005 respectively. They include the following schemes:

(Rs. in core)

Sl. No	Name of the Scheme	State	Estimated Cost
i.	Avulsion of Brahmaputra at Dholla Hatighuli - Phase-II	Assam	5.22
ii.	Protection of Majuli Island from Flood and Erosion (Immediate measures)	- do -	6.22
iii.	Protection of North Guwahati Township (Rangmahal) from Flood & Erosion of river Brahmaputra.	- do -	3.05
iv.	Barbhag Drainage Development Scheme	- do -	7.23
v.	Anti-erosion measures to protect Kushiabil & Durgajan Village at Dimapur of river Dhansiri (S)	Nagaland	0.85
vi.	Protection of Majuli Island from Flood and Erosion (long-term measures)	Assam	41.28

An amount of Rs.21.65 crore has been released till 31.03.2005 under this scheme.

The status of the above-approved schemes is as under:

i) **Dholla-Hathighuli Project (Phase I & II)**

The work for 'Avulsion of river Brahmaputra at Dholla-Hathighuli' Phase I was taken up for execution by the Brahmaputra Board at an estimated cost of Rs.10.47 crore in January, 2003 & Phase II at an estimated cost of Rs. 5.22 crore in January 2004. Most of the works of Phase I & Phase II have been completed. With completion of the Phase-I of the project, a number of villages in Hathighuli were saved from floods during, 2003 and the entire south bank from Dholla to Rhomaria did not experience severity of floods.

ii) **Majuli Flood and Erosion Problem:**

The problem of the Majuli Island is being tackled by the Government of India on a short term as well as long-term basis. As regards short-term measures, the

Brahmaputra Board had constituted a Committee of Experts comprising senior officers from Water Resources Department, Government of Assam, Central Water Commission, Central Water and Power Research Station and Brahmaputra Board to identify and suggest immediate anti-erosion measures to be taken up for protection of Majuli Island. On the recommendations of the Committee, the Brahmaputra Board had formulated a scheme amounting to Rs.6.22 crore for taking up immediate anti-erosion measures for Majuli Island. The scheme on completion will reduce the problem of flood and erosion in the Majuli Island to a considerable extent. Most of the works have already been completed,

As regards long term measures, the Brahmaputra Board prepared DPR amounting to Rs.86.56 crore for Protection of Majuli Island from Flood and Erosion. The scheme is to be implemented in phases. Part of the works are dependent upon model studies of the entire vulnerable reach of the Island. Phase-I works costing Rs.41.28 crore (not depending upon model studies), has been approved by Govt. of India in January, 2005 and taken up by Brahmaputra Board. The balance works will be taken up on the recommendation of the model studies.

The schemes at Sl.No.iii. iv & v are also proposed to be taken up and completed during the X Five Year Plan.

Critical Flood Control Scheme in Brahmaputra and Barak Valley

In November, 2004, CCEA approved the proposal for sanctioning Rs.150 crore as the share of Central Govt (90% grant and 10% loan) for taking up critical flood control and anti-erosion schemes in Brahmaputra and Barak Valley under State sector. The schemes will be executed by concerned State Governments and monitoring will be done by Brahmaputra Board.

Allocation of funds as per approved CCEA Note is as under:

State	(Rs. in crore)			Total
	2004-2005	2005-2006	2006-2007	
Assam	10.80	37.20	33.0	81.00
Arunachal Pradesh	2.00	6.80	6.23	15.03
Tripura	2.00	6.80	6.24	15.04
Nagaland	0.6	2.20	1.53	4.33
Manipur	1.00	3.60	3.00	7.60
Mizoram	0.6	2.40	1.50	4.50
Sikkim	1.20	4.30	3.50	9.00
Meghalaya	0.6	2.40	1.50	4.50
West Bengal (North Bengal)	1.20	4.30	3.50	9.00
Total	20.00	70.00	60.00	150.00

An amount of Rs.11.40 crore sanctioned by Ministry of Finance for the year 2004.05.

As per the budget proposal for 2005-06, an amount of Rs.80 crore has been provided.

BRAHMAPUTRA AND BARAK VALLEY SCHEME UNDER STATE SECTOR
(Rs. in crore)

State	Total provision in the scheme	No. of schemes prioritized and to be funded	No. of schemes funded in 2004-05 (out of column 3)	Total amount to be funded for the schemes given in Col. 4	Amount already released in 2004-05	Remarks
1	2	3	4	5	6	7
Assam	81.00	35	21	30.16	9.30	All the 35 schemes are on-going schemes for which attendant cost is being funded
Tripura	15.04	3	2	10.45	1.50	
Manipur	7.60	2	-	-	-	
Meghalaya	4.50	1	-	-	-	
Sikkim	9.00	1	-	-	-	
Arunachal Pradesh	15.03	3	-	-	-	
Mizoram	4.50	1	1	7.11	0.60	
Nagaland	4.33	1	-	-	-	
West Bengal (North Bengal)	9.00	3	-	-	-	
Total	150.00	50	24	47.72	11.40	

List of Schemes Prioritized and funded under Brahmaputra and Barak Valley Scheme under State sector

ASSAM (All schemes ongoing)

(Rs. In crore)

Sl No	Name of the scheme	Estimated cost	Attendant cost as mentioned by the State Govt. in respect of Continuing	Fund released for the year 2004-05

			Schemes	
1.	A/E measures including widening Dikhow bund L/B at different reaches from Namdang outfall to Dikhowmukh	3.99	1.04	0.25
2.	R/S to Bhugdoi L/B from JB Road to Chengelihati including A/E works	4.38	1.51	0.40
3.	Protection of Matmara areas including Dhakuakhana town from erosion of river Brahmaputra Ph-I (construction of Bull heads)	5.98	2.5	0.40
4.	R/S to flood embt. Along Kollong river from Raha to Jagi R/B and Azrabari to railway bridge L/B Phase-I (Revised)	3.28	1.61	0.62
5.	Protection of Garal area from Garal to Majirgaon from erosion of river Brahmaputra Phase-I	3.37	1.72	0.42
6.	A/E measures against bank erosion of river Brahmaputra at different reaches of North Guwahati town from Aswaklanta Hills to Dihing Sattrra	4.31	0.33	0.33
7	A/E measures to protect the Larkuchi area from the erosion of river Brahmaputra (breach closing and protection work at 29 th km on R/B of B/Dyke from Adabari to Kukarjan)	4.17	2.2	0.40
8.	Strengthening & Extension of Goalpara Town Protection from erosion of river Brahmaputra on stone spur no.2 to its D/S	3.48	1.0	0.40
9.	R/S of M/E along B/B of Pohumara from railway line to B/B PWD road on R/B and to Nowkuchi village on L/B	3.3	1.0	0.25
10	Opening the Harijan Channel at Barpeta Town	3.17	3.0	0.20
11	Strengthening of Dhubri town protection works from Siva Mandir to Sikh Temples stone per no.3&7 including construction of revertment and apron in between timeber dampener No.225 for a reach of 280 m	3.88	1.0	1.00
12	A/E to protect Hatsingimani and its adjoining area from the erosion of river Brahmaputra and Jinjiram (Revised)	4.29	2.0	0.30
13	Improvement of flood embt. Along L/B of river Barak from Uttar Krishnapur to Taraput Ch.16780 m to 17250 m and Ch.19946 to 22740 m	3.32	3.0	0.20
14	Protection of Katilichara Bazar from the erosion of river Katakhal on its L/B (Ch 2590 m to 3060 m)	5.04	1.0	0.50
15	R/S to Barak Dyke along R/B of Barak from Ganigram to Katigaragh Phase-III (Ch.18000 m to 24150 m)	3.2	0.75	0.25
16	Construction of retirement from Ch.19.46 km to 24.60 km of B/Dyke from Kaharkuza to Balikuchi at Bowratal to Fetengaparan area	3.11	0.5	0.50
17	A/E measures of Dikhow B/B at different reaches near Simulaguri and Nazira	3.45	0.5	0.50
18	R/S of Dikhow R/B embt. From Darbar field to Dikhowmukh including A/E measures Phase-II	3.37	0.5	0.50

19	Protection of Palasbari town from the erosion of river Brahmaputra	21.04	2.0	0.90
20	A/E measures for protection of Nagaghuli and Maijan area from the erosion of river Brahmaputra	10.74	1.0	0.38
21	Strengthening of B/dyke on L/B from Palasbari town to Gumi from Ch.19500 M to 21200 M along with A/E measures at Ch.19690 M to 20280 M & at Ch.20490 M to 20590 M	4.07	2.00	0.60
	Total			9.30

Tripura

Sl No	Name of the scheme	Estimated cost (Rs. In crore)	Fund released for the year 2004-05
1.	Flood Protection of Kamalpur Town under Salema block in Dhalai	6.265	0.75
2.	Protection of Khowai town embankment from erosion of river Khowai at Khowai town and Remacherra revetment work.	4.1876	0.75
	Total		1.50

Mizoram

Sl No	Name of the scheme	Estimated cost (Rs. In crore)	Fund released for the year 2004-05
1.	Control Erosion/landslide/land subsidence in three localities within Aizawl town	7.11	0.60