

THE CITIZEN'S CHARTER OF BRAHMAPUTRA BOARD

Basic Concept:

It has been recognized world over that good governance is essential for suitable development, both economic and social. The three essential aspects emphasised in good governance are transparency, accountability and responsiveness of the administration."Citizen's Charter "initiative is a response to the quest for solving the problems which a citizen encounters, day in and day out, while dealing with the organizations providing public services.

Formation:

The Brahmaputra Board a statutory body was set up under an act of the Parliament called the Brahmaputra Board Act (Act-46 of 1980) under the Ministry of Irrigation (now renamed as Ministry of Water Resources). The jurisdiction of the Board includes both the Brahrnaputra and Barak Valleys and covers all the states of the North Eastern Region and also northern region of West Bengal falling in Brahmaputra basin. The Board consists of 21 Members, 4 are full time members and 17 part time Members, representing the seven states of the North Eastern Region. North Eastern Council, Concerned Ministries, viz., Ministry of Water Resources, Ministry of Agriculture, Ministry of Finance, Ministry of Power, Ministry of Surface Transport and the Departments of the Government of India i.e. Central Water Commission, Geological Survey of India, India Metrological Department and the Central Electricity Authority. The list of Members of the Board appointed under Clause {A), (B), (C), (D) and (E) of Sub-section (3) of Section (4) is at Annexure-I.

The Board started functioning with its Head Quarters at Guwahati from 11-01-1982. As per Sub-section (2) of Section (3) of the Brahmaputra Board Rules-1981, the Board has established a Liaison Office in New Delhi. A High Powered Review Board to oversee the works of the Brahmaputra Board was constituted with the Union Minister of Water Resources as the Chairman and the Chief Ministers of Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland and Tripura and the Unions Minister(s) of State for Finance, Transport, Power, Agriculture, the Chairman, C.W.C. as Members. The Chairman, Brahmaputra Board is the Member Secretary. Member (RM), CWC is a

permanent invitee. List of Members of the High Powered Review Board appointed by the Government. of India vide Resolution No2 (17)/80/FC/460 dated 19-03-1982 and as mended vide Resolution No. 23/8/925-ER dated 01- 10-1992 is enclosed at Annexure-II.

Mission:

The missions of the Brahmaputra Board stipulated in the Act are:-

- 1) To carry out survey and investigations in the Brahmaputra Valley (under its jurisdiction) and to prepare the Master Plan for the control of floods, bank erosion and improvement of drainage in the Brahmaputra Valley and activities connected therewith.
- 2) To prepare the Master Plan in parts with reference to different areas of the Brahmaputra Valley or with reference to different matters relating to such areas and may as often as it considers necessary so to do, revise the Master Plan or any part thereof.
- 3) To prepare Master Plan for development and utilization of water resources of the Brahmaputra Valley for irrigation, hydro-power, navigation and other beneficial purposes.
- 4) To submit Master Plan/ revised Master Plan to the Central Government after consultation with the State Government concerned and approve the same subject to such modification as it may deem fit.
- 5) To prepare detailed project report and estimates in respect of the dams and other project in the Master Plan as approved by the Central Government and indicate in each case the cost attributable to different purposes or uses.
- 6) To draw up standards and specifications for construction, operation and maintenance of such dams and other projects.
- 7) To construct with the approval of the Central Government multipurpose dams and works connected therewith as proposed in the Master Plan approved by the Central Government and maintain and operate such dams and works.
- 8) To prepare in consultation with the State Government concerned a phased programme for construction by the State Government of all dams and other

projects in the Master Plan as approved by the Central Government other than those referred in (7) above.

9) The Board may maintain and operate any dam or project so long as it deems necessary to do so.

10) To perform such other functions as a supplemental, incidental or consequential to the functions specified above.

Profile:

The Brahmaputra Board has carried out detailed planning and documentation of the enormous water resources of the" North Eastern Region and related problems and potentials which includes preparation of Master Plan, survey, investigation and preparation of detailed project reports of the multipurpose projects and of the drainage congested areas and Anti-erosion schemes. Giving importance to development and utilisation water resources of the Brahmaputra and Barak Valleys for hydro power, navigation, and other beneficial purpose. Its assignment also includes preparation of DPR of the Dams and other projects identified in Master plan as approved by the Central Government and to take up construction and maintenance of the projects approved by Central Government and works connected therewith as proposed in the Master Plan and also to maintain and operate such dams and works.

Preparation of Master Plan :

The Brahmaputra Board has so far prepared Master Plan of Brahmaputra and Barak river system,rivers of Tripura, south flowing rivers of Meghalaya and rivers of Sikkim and North Bengal area falling in Brahmaputra Basin. Due to enormity of task, the work has been divided into three parts as under :

Master Plan Part- I i.e. Main stem of Brahmaputra approved by Govt. of India

Master Plan Part- II i.e. The Barak river and its eight important tributaries approved by Govt. of India.

Master Plan Part-III i.e; The Master plan of 55 tributaries of the river Brahmaputra, including Majuli island and 8 rivers of Tripura, 3 south flowing rivers of Meghalaya and 3 rivers of Sikkim and North Bengal area falling in Brahmaputra Basin.

Out of 57 tributaries sub basin Master plans, 34 nos. have been approved by the MoWR. In addition to the above Board has also taken up survey investigation for preparation of Master plan of the south flowing river of Brahmaputra Basin in North Bengal and Sikkim.

Investigation and Preparation of DPR for Multipurpose Project

Brahmaputra Board has identified and taken up the survey and investigation and preparation of DPR for 14 (fourteen) Multipurpose projects till now. DPR for Single Dam project proposal for Subansiri and Dihang were prepared by Brahmaputra Board but could not be taken up for execution because of objections from Government of Arunachal Pradesh on account of large submergence. Therefore, Brahmaputra Board has modified Subansiri and Dihang Projects proposal with a series of 3 dams of each river basin. Subsequently, these 3 projects on Subansiri and 3 projects on Dehang were handed over to NHPC in March, 2000. Tipaimukh project, for which Brahmaputra Board prepared DPR has been handed over to NEEPCO for execution. Similarly, investigations of the Bhairabi project was completed in March, 2000 and DPR prepared by the Brahmaputra Board was handed over to Mizoram Government. Pagladiya Dam Project is under execution by the Brahmaputra Board. Brahmaputra Board completed the Feasibility Report for Debang & Kynshi –I M.P.P during X Plan. Dibang dam Project has been handed over to NHPC LTD for further investigation and implementation. Preparation of DPRs for Kushi MPP, Kynshi –I M.P.P, Lohit MPP and Noa - Dehing MPP are in progress and targeted for completion during XI Plan. DPR for Jiadhal dam Project is targeted for completion by December 2009. DPR for Simsang MPP is targeted for completion by June 2010 and for Killing Dam Project target date for completion is March 2011

Present Position of Pagladiya Dam Project:

The work for Pagladiya dam project are held up due to non-completion of Zirat survey and land acquisition by the State Govt. The Government of Assam has informed Brahmaputra Board that all the revenue and land matter of BTC area has been transferred to Boroland Territorial and as such the Board should take up the matter of Zirat Survey with them. Accordingly the Board is taking up the matter of Zirat Survey with the Principal Secretary of Boroland Tritorial Council,

The Government of Assam has informed Brahmaputra Board in a meeting held on 4-4-2008 taken by the Principal Secretary to the Govt. of Assam, Revenue and Disaster Management Department with the concerned officials of Govt. of Assam and Brahmaputra Board, that all the revenue and land matter of BTC area has been transferred to Boroland Territorial and as such the Board should take up the matter of Zirat Survey with them. Accordingly, the Board is taking up the matter of Zirat Survey with the Principal Secretary of Boroland Territorial Council. In this respect Board has already written to the Principal Secretary of Boroland Territorial Council to initiate the Zirat survey.

A meeting was held under the Chairmanship of Secretary (WR), MoWR, Govt of India on the issues related to Brahmaputra Board and flood matters in Assam at New Delhi on 15-05-2008. In the meeting the Chief Secretary, Government of Assam informed that the subject of land is being dealt with by the Bodoland Territorial Council (BTC) independently and therefore, the action on Zirat Survey needs to be taken up by them. It was decided that the Chairman, Brahmaputra Board would make continuous efforts to get the matter expedited with the Principal Secretary, BTC at the earliest. It was also decided that the Government of Assam should expedite the matter by coordination with BTC. The Principal Secretary, BTC has been approached for a meeting to initiate Zirat Survey. A discussion between the officials of BTC and Chief Engineer, Pagladiya Dam Project is scheduled in the 1st week of September, 2008.

Drainage Development Scheme:

Barbhag Drainage Development Scheme – *The raising and strengthening of embankment is in progress. 7 Km of embankment has already been raised and strengthened and 9 Km channel re-sectioned The design of the sluice has been modified by the CWC and accordingly work programme had to be modified. The works are targeted for completion by 2009-10.

For Amjur Drainage Development Scheme, the detail design of sluice is being done by the CWC. The works were taken up during 2006-07 but could not progress much because the State Government could not make the required land available to the Brahmaputra Board. The Zirat Survey for the required land has been completed and land acquisition is in progress. The project is scheduled to be completed by 2009-10.

Other 5 nos Drainage Development Schemes except Jengrai (1.49 crore), namely Joysagar (2.13 crore), East of Barpeta (1.34 crore), Singla (3.54 crore), Jakaichuk (2.96 crore) and Kailashahar(4.18 crores) are at initial stage of implementation.

North Eastern Hydraulic & Allied Research Institute (NEHARI)

The North Eastern Hydraulic & Allied Research Institute (NEHARI) was established at Rudreswar (North Guwahati) as an outcome of Assam Accord, with the following facilities:

- (i) Hydraulic Laboratory with facilities for 4(four) model trays & flumes.
- (ii) Material testing laboratories.
 - (a) Soil
 - (b) concrete &
 - (c) construction material and foundation rock.

NEHARI was operationalised at a total cost Rs 14.00 Cr. during 1996. NEHARI has so far undertaken testing of soil, concrete and rock samples as requisitioned by various organizations/ project authorities of N.E. Region and 3 nos. physical model studies.

Since in the North Eastern Region clear weather is available for a limited period only (Oct to March) scope for physical model studies under open sky is also limited. To overcome the situation construction of 2 nos. of Hangers over the model trays are under process.

NEHARI has got working arrangements with the two premier institutes of the country, namely Central Water & Power Research Station (CWPRS), Pune and Central Soil & Material Research Station (CSMRS), Delhi.

Model studies of (i) Majuli Island for suggestion of long tem solution and (ii) Jia bharali at Chowki Ghat for fixing alignment of road bridge of NH 52. have been completed at NEHARI.

- **Flood Management Works:**

Avulsion of Brahmaputra at Dhola–Hatighuli:

The combined flow of Debang and Lohit river was originally out falling into Dehang river at about 25 km downstream of Saikhowa reserve forest at Kobo. The discharge in the rivers Dholla, Dangri and Dibru increased year after year due to avulsion of Lohit through Anantanala and Balunala which took place in the year 1992. This problem was further aggravated due to Debang flowing from north to south direction and pushing the flow of Lohit towards its south bank. Avulsion/ offshoot channel of Lohit and Debang was flowing with 90% of their discharge and out falling into Brahmaputra at North Balijan instead at Kobo during 2001-02.

The Brahmaputra Board initially took up the Phase-I work amounting to Rs.10.47 crore during January 2003 and succeeded in diverting Debang river to its original course. Again, Phase-II work amounting to Rs.4.15 crore was completed to push the river Lohit towards its north bank during 2004. The present work under Phase-III amounting to Rs.6.1 crore, which is revised, and techno economic clearance amounting to Rs.8.47 crore has been received. The work for Phase –III has also been completed. Brahmaputra Board has already submitted the DPR amounting to Rs. 23.32 crore for techno-economic clearance of CWC on 27.11.07 for Phase –IV works. The DPR is presently under modification as per comments of CWC and incorporating the latest bank line map obtained from satellite imagery.

Protection of Majuli Island:

On receipt of request of Govt. of Assam and, the Detailed Project Report on protection of Majuli Island from flood and erosion was prepared by Brahmaputra Board based on the recommendations of the Master Plan and submitted to the CWC during August, 2000. The Central Water Commission techno-economically cleared the scheme in August, 2003 for Rs.86.56 crore. The Project emphasized implementation of protection works in 3(three) phases such as Phase-I, II & III.

To reduce flood problem of the Majuli Island, protection works were undertaken in 2004-05 as immediate measures at an estimated cost of Rs.6.2 crore. These works were followed by protection works under phase-I for Rs.41.28 crores, as

part of DPR cleared by CWC for Rs.86.56 crore and 90% of the works of Phase-I have been completed till July, 2008. The estimate for Phase-I has been revised incorporating the works actually ordered for execution as per recommendation of the Experts visited the affected areas and the revised estimate amounting to Rs.56.07 crore has been cleared by CWC. In addition to above a scheme amounting to Rs.4.9969 crore has been cleared by CWC as emergent works to be completed before 2008 monsoon which has been completed. Phase-II & III, proposed on the basis of the findings of the model studies undertaken under Phase-I has been technically cleared by CWC for Rs. 86.36 crore. The Phase-II & III works have been proposed to be completed by the year 2011-12.

Protection of Nagrijuli Rangia Town and Mukalmuwa/Barbhag area from flood and erosion of Barnadi river: - The estimate for Nagrijuli protection works for Rs. 4.89 crore have been technically cleared by C.W.C. in the year 2005-06 and expenditure sanction was accorded during March 2007. The scheme is presently under execution. Nearly 77% of the works have been completed and the scheme is expected to be completed within the current financial year.

Anti erosion measures to protect Kushiabil & Durgajan Village at Dimapur of river Dhansiri (S) – (Rs.2.4 crore): Phase-I for protection of Kushiabil & Durgajan village has been completed for Rs.0.85 crore. Phase-II for protection of Mao colony, Kuki village & Assam Rifles Transit Camp (Rs.1.79 crore) is also completed.

****Flood Management Scheme Under State Sector:**

During X Plan the Govt. of India approved for execution of 44 schemes in the state of Assam "Critical Flood Control & Anti-erosion Scheme in Brahmaputra and Barak Valley (State sector)" with funding pattern of 90 : 10 as grant and state share. An amount of Rs. 78.8182 crore was released by the MoWR during X Plan for execution of these schemes.

In November, 2007, the Government of India has approved the Cabinet Note for the implementation of "Flood Management Programme" a state sector scheme under Central Plan to provide central assistance to the State Governments amounting to Rs.

8000 crore during XI Plan period (2007-12) for taking up river management, flood control, anti-erosion, drainage development, flood proofing work and restoration of damaged flood management works etc. 136 schemes of the States of Assam, Arunachal Pradesh, Nagaland, Sikkim, Mizoram, Tripura and West Bengal under the jurisdiction of Brahmaputra Board estimated at Rs. 653.51 crore have been cleared.

Long term strategy for Flood Management and Erosion Control in Brahmaputra river:- Long term strategy for the flood control of Brahmaputra River Basin has been brought out in the Master Plan of main stem of Brahmaputra, prepared by Brahmaputra Board and approved by Government of India. These long term strategies are given below:-

- multipurpose storage dam projects;
- watershed management;
- river training works ;

Some reaches of river Brahmaputra experiences heavy erosion on both the banks which sometime results in development of side channels also. The causes of heavy erosion are identified to be excessive sediment loads, steep bed gradients, erodable nature of bank materials etc. The erosion is mostly observed at places both on the upstream and downstream of stable reach or nodal points. It has been suggested in the master plan that the reaches of the river where erosion is acute should be studied and examined on scientific basis to find out causes of formation of Char-land in the middle and side channels along either bank. It has also been suggested in the master plan that the reach-wise behavior of the river in regard to the other conditions like velocity distribution, boundary condition, silt carrying capacity and other parameters should be examined from one nodal point to the other.

All these years only short-term measures were taken for river training on site specific points. Some beginning has to be made for starting some long-term measures to tackle riverbank erosion problem.

Brahmaputra Board has already prepared a Concept Note on Bank Stabilization of river Brahmaputra and forwarded the above to CWC; CWPRS; WRD, Govt. of Assam;

WRDTC, IIT Roorkee; Civil Engineering Department of IIT- Guwahati; Assam Engineering College, Guwahati; Jorhat Engineering College and NIT Silchar. The report has been modified as per the suggestions/ observation of the experts/organisations. A modalities is in the process of finalisation for carrying out mathematical model studies in collaboration with CWPRS, Pune to ascertain the feasibility of the proposed Channalisation of river Brahmaputra so that a long-term solution of flood/erosion problem of the Brahmaputra valley can be concretized and executed.

Organizational Structure:

The organizational structure of the Brahmaputra Board, which is headed by the Chairman, is shown at Annexure-III.

The following offices of the Board are located at Basistha, Guwahati-781029.

- a) Secretariat of the Brahmaputra Board
- b) Office of the Chief Engineer (Planning & Design)
- c) Office of the Chief Engineer (Investigation & Works)
- d) Office of the Superintending Engineer, Guwahati Circle
- e) Office of the Executive Engineer. Guwahati Division.

The office of the Executive Engineer, North Guwahati Division is situated at Rudreswar, Guwahati- 781030. The North Easter Hydraulic & Allied Research Institute (NEHARI) is also situated here which is being run by the Board on ad-hoc arrangement. The NEHARI is functioning since 1996.

The office of the Chief Engineer, Pagladyia Dam Project has been established at Nalbari, Assam. On creation of the Brahmaputra Board in 1981-82, the Board took over the works of the investigation of Dihang (Siang) and Subansiri projects and also the hydro-metrological net work at the Brahmaputra Valley along with the entire infrastructure from the then Flood Control Department, Govt. of Assam. A large number of work-charged staff of the Flood Control Department had also come over to the Board during 1982 on "as-is-where-is" basis. After preparation of the DPRs of Dihang and the Subansiri projects and the Master Plan Part- 'I' pertaining to the main stem of Brahmaputra river, the work load and the staff' position were reviewed by the government and as per decision of the Govt. of India, all deputationist who came to Board on "as-is-where-is" basis, were reverted to their parent department within 28- 02- 1989 .The Flood Control Department however, did not agree to take back the work -

charged staff who were engaged in various activities of the Board and they continued with status as Board's work-charged employees. During transfer of the projects to the NEEPCO and the NHPC, about 30% of them were transferred to the NEEPCO and the NHPC.

Grievance Redressal Mechanism:

In its pursuit of excellence, the Brahmaputra Board believes in an open door policy. Yet to further promote fair and equitable employee relations in the organization and to ensure harmonious relationship with the environment the Board has established a grievance redressal procedure for its employees. In order to systematise and strengthen the redressal process, it provides a time bound mechanism. Grievance procedure provides a channel for an employee to invoke the procedure for seeking remedy to an anomaly arising out of implementation of Board's policy / rules such as salary payment, recovery of dues, working conditions, leave, quarters allotment, medical facilities, withholding of benefits under rule, transfer, seniority, promotion, pay fixation and like issues. The procedure has been formulated so as to aim at resolving the grievances raised, orally or in writing, within a prescribed time frame. It also provides various stages of redressal, giving an opportunity to an aggrieved employee to seek remedy even from the highest authority. The Deputy Secretary of the Board is the Chief of the Grievances Cell.

Other Forums:

A number of bipartite forums comprising the representatives of employees and the management have been established which are as follows:-

a) **Complaint Committee on sexual harassment & gender justice:** In pursuance of the Hon'ble Supreme Court's order a complaint mechanism to deal within such cases in the Board was constituted with seven committee members including a Chairperson and Member Secretary .The Committee came into being from 31-12- 1997. However, no case has still been received and forwarded by this committee to the Board Authority.

b) **Forum for Disciplinary & Vigilance Cases:-** The Board has a Vigilance Wing headed by part time Chief Vigilance Officer and assisted by one part time Vigilance Officer.

WEB SITE

In pursuance of Govt. of India, MoWR, letter No 31/15/2004- IT/B&B/200 dt.22/12/2005 , the Right to Information Act.2005 has been introduced in Brahmaputra Board on 31/12/2005. The Board has notified all relevant information pertaining to Brahmaputra Board about schemes, policies, projects, and issues of general interest are available in the offices of the Board. Those are also available in the Website at www.brahmaputraboard.gov.in. The information in its website are being updated from time to time complying the directives and provision of the Right to Information Act'2005. [N.B. This Charter is a summary of the services rendered by the Brahmaputra Board which is committed to provide to the people and is not a part of the policy condition or service condition of our employees.]

Benefit of Schemes/Projects

Sl. No.	Name of Project/Schemes	Dist./Taluk Benefited	Total expected Benefited area.
1	Harang Drainage Dev. Scheme	Cachar	11850 Ha.
2	Barbhag D.D.S.	Nalbari	4000 Ha.
3	Joy Sagar D.D.S.	Nagaon	2410 Ha.
4	East of Borpeta D.D.S.	Barpeta	2852 Ha.
5	Singla D.D.S.	Cachor	97 Sq. Km.
6	Jeugrai D.D.S.	Jorhat	14 Sq.Km.
7	Jakaichuk	Sivsagar	2308 Ha.
8	Kailashahar D.D.S.	Agartola	1000 Ha.
9	Amjur	Cachar	72 Sq.Km.
10	Pagladiya Dam Project	Nalbari	Flood benefit 40,000 Ha. Irrigation benefit 54,160 Ha.
11	Avulsion of Brahmaputra at Dhola Hatighuli, Ph-I	Tinsukia & Dibrugarh	16,200 Ha.
12	Avulsion of Brahmaputra at Dhola Hatighuli, Ph-II	Tinsukia & Dibrugarh	16,200 Ha.
13	Avulsion of Brahmaputra at Dhola Hatighuli, Ph-III	Tinsukia & Dibrugarh	16,200 Ha.
14	Protection of Majuli Island from Flood & Erosion, Ph-I	Jorhat, Majuli	6,197 Ha.
15	Protection of Majuli Island from Flood & Erosion, Ph-II	Jorhat, Majuli	6,197 Ha.
16	Protection of Majuli Island from Flood & Erosion, Ph-II	Jorhat, Majuli	6,197 Ha.
	Protection of Rongmahal Kusia bill	Kamrup	5,632 Ha.
	Critical Flood control & anti erosion Scheme.	Dimapur	150 Ha.

**COMPOSITION OF THE BRAHMAPUTRA BOARD
APPOINTED UNDER CLAUSE (A) & (B) SUB-SECTION (3) OF
SECTION (4) OF BRAHMAPUTRA BOARD ACT, 1980 (46 OF 1980)**

Full Time Member

1. Chairman
2. Vice-Chairman
3. General Manager
4. Financial Adviser

Part Time Member:

1. Secretary, Water Resources Department, Govt. of Assam,
2. Chief Engineer, PWD (R) Govt. of Meghalaya
3. Chief Engineer, Irrigation & F. C. Deptt. Govt. of Nagaland.
4. Chief Engineer, PWD (WR) Govt. of Tripura.
5. Secretary, Irrigation & F.C. Deptt., Govt. of Manipur
6. Chief Engineer, (WRD), Govt. of Arunachal Pradesh
7. Chief Engineer, Power & Electricity Deptt., Govt. of Mizoram
8. Member (RM), Central Water Commission, New Delhi..
9. Member (HE), Central Electricity Authority, New Delhi.
10. Director General of Meteorology, IMD, New Delhi.
11. Commissioner (B&B), Ministry of Water Resources, New Delhi.
12. Financial Adviser, Ministry of Water Resources, New Delhi.
13. Financial Adviser, NEC, Shillong.
14. Chief Engineer, Inland Waterways Authority of India, Noida.
15. Joint Secretary (H), Ministry of Power, New Delhi..
16. Joint Secretary, Soil Conservation & Land Resources, MoA, New Delhi.
17. Deputy Director General, GSI, North Eastern Region, Shillong.

Special Invitee:

1. Adviser, (NE), Planning Commission, New Delhi.
2. Chief Engineer (B&BB), Central Water Commission, Shillong.
3. Secretary, Irrigation & Waterways Department, Govt. of West Bengal, Kolkata.
4. Secretary, Irrigation Department, Govt. of Sikkim, Gangtok.
5. Representative from Department of DONER,

**COMPOSITION OF THE HIGH POWER REVIEW BOARD
APPOINTED BY THE GOVERNMENT OF INDIA VIDE
RESOLUTION NO.2(17)/80-FC/460
DTD.19TH MARCH,1982 AS AMENDED**

1. Union Minister for Water Resources	Chairman
2. Chief Minister of Assam or a Cabinet Minister duly authorized by him	Member
3. Chief Minister of Manipur or a Cabinet Minister duly authorized by him	Member
4. Chief Minister of Meghalaya or a Cabinet Minister duly authorized by him	Member
5. Chief Minister of Nagaland or a Cabinet Minister duly authorized by him	Member
6. Chief Minister of Tripura or a Cabinet Minister duly authorized by him	Member
7. Chief Minister of Mizoram or a Cabinet Minister duly authorized by him	Member
8 Chief Minister of Arunachal Pradesh or a Cabinet Minister duly authorized by him	Member
9. Union Minister / Minister of State for Finance	Member
10. Minister of State for Water Resources	Member
11. Union Minister / Minister of State for Energy	Member
12. Union Minister / Minister of State for Agriculture	Member
13. Union Minister / Minister of State for Surface Transport	Member
14. Secretary, Ministry of Water Resources, Govt. of India	Member
15. Chairman, Central Water Commission	Member
16. Chairman, Brahmaputra Board	Member Secretary
17. Member (RM), Central Water Commission	Permanent Invitee

I T E M – X V I

**The Names, Designations and other particulars of Public information Officers
The names, designation and other particulars of Public Information Officers of Brahmaputra
Board are given below :**

Appellate Authority - Name: Shri Rajan Nair
 - Designation : Chairman,
 Brahmaputra Board
 Basistha, Guwahati-781029
 - Phone No: 0361-2301099 (O)
 0361-2300290(R)
 - Fax No: 0361-2301099
 9435108175(M)

Public Information Officer - Name: Shri Gaya Prasad Singh
 - Designation: Secretary,
 Brahmaputra Board
 Basistha, Guwahati-781029

 - Phone : 0361-2300128(O),
 0361-2301013 (R)
 94353-45376 (M)
 - Fax : 0361-2300128
 - e-mail : gpsinghbbghy@sify.com

Assistant Public Information Officer

1. – Name : Shri Hemanta Kumar Gogoi
 - Designation: Executive Engineer (HQ)
 Brahmaputra Board Basistha, Guwahati-781029
 - Phone No. 0361-2307453 (O)
 - e-mail : hgbg10@yahoo.co.in

2. Name : Sri Chan Mohan Das,
 Designation : Superintending Engineer
 Tinsukia Circle
 Brahmaputra Board, Tinsukia.
 Phone No. 0374-2331058 (O)
 0374-2330756 (R)

3. Name : Sri Dipak Saikia
 Designation : Superintending Engineer (i/c)
 Silchar Circle
 Brahmaputra Board
 Silchar.
 Phone No. 03842-234208(O)
 9435268046 (M)

4. Name : Sri Binanda Hazarika
 Designation : Executive Engineer (i/c)
 Tezu Division
 Brahmaputra Board
 Tezu.

Phone No. : 03804-222316 (O),
03804-222527 (R)
9435337319 (M)

5. Name : Sri Nayanjyoti Barman
Designation : Executive Engineer
Roing Division
Brahmaputra Board
Roing (A.P)
Phone No. : 03803-223246(O)
9435301372(M)

6. Name : Sri Atul Ch. Sarma
Designation : Executive Engineer
Lakhimpur Division
Brahmaputra Board
North Lakhimpur
Phone No. : 03752-232307(O)
03752-232810(R)
9435547022 (M)

7. Name : Sri Dipak Saikia
Designation : Executive Engineer
Barak Valley Division
Brahmaputra Board
Silchar.
Phone No. : 03842-230454 (O)
03842230437(R)
9435268046(M)

8. Name : Sri Prahlad Saloi
Designation : Executive Engineer
Tripura Division
Brahmaputra Board
Agartala
Phone No. : 0381-2330306(O)
9435047862 (M)

9. Name : Sri Dilip Goswami
Designation : Executive Engineer
Nalbari Division
Brahmaputra Board
Nalbari.
Phone No. : 03624-220572(o)
: 03624221254 (R)
: 9435046068 (M)

10. Name : Sri Chinmoyjyoti Sarma
Designation : Executive Engineer
Pagladiya Dam Division No.II
Brahmaputra Board
Nalbari.
Phone No. : 943510-3688(M)

11. Name : Sri Jatin Chandra Mazumdar
Designation : Executive Engineer
Rangia Division
Brahmaputra Board
Rangia.
Phone No. 03624-241672(o)
9435085885(M)

12. Name : Sri Joy Barman
Designation : Superintending Engineer
Guwahati Circle
Brahmaputra Board
Basistha, Guwahati-29.
Phone No. 0361-2301320
0361-2330004(R)
9435558703 (M)

13. Name : Sri Chinmoyjyoti Sarma
Designation : Superintending Engineer(i/c)
Pagladiya Dam Circle No.I
Brahmaputra Board
Nalbari
Phone No. 03624-240070(o)
9435103688 (M)

14.. Name : Sri Dinanath Bujabbarua
Designation : Executive Engineer
Guwahati Division
Brahmaputra Board
Basistha, Guwahati-29
Phone No. : 0361-2308589 (o)
0361-2338686 (R)
9435100682(M)

15.. Name : Sri Ramesh Panwar
Designation : Executive Engineer
Jalpaiguri Division
Brahmaputra Board
Jalpaiguri,
Phone No. : 03561-224645 (o)
09859173302 (M)

16.. Name : Sri Ridip Barua
Designation : Executive Engineer (i/c)
North Guwahati Division
Brahmaputra Board
Rudreswar, North Guwahati-781031
Phone No. : 0361-2680155 (o)
0361-2300733 (R)
9435343759(M)

17.. Name : Sri Biswajit Hazarika

Designation : Executive Engineer
Liaison Office
Brahmaputra Board
Dwaraka, Sector 10, New Delhi

Phone No. : 011-25088697 (o)
011-25071476 (FAX)
98688-70826(M)
98688-66391(M)
WLL – 65654504

LIST OF BOARD MEMBERS

- 1 CHAIRMAN, BRAHMAPUTRA BOARD
- 2 VICE CHAIRMAN, BRAHMAPUTRA BOARD
- 3 GENERAL MANAGER, BRAHMAPUTRA BOARD
- 4 FINANCIAL ADVISER, BRAHMAPUTRA BOARD
- 5 COMMISSIONER ((B&&B)), MOWR, GOI
- 6 FINANCIAL ADVISER, MOWR, GOI
- 7 JOINT SECRETARY, SC&&LR, MOA, GOI
- 8 JOINT SECRETARY ((H)), MOP, GOI
- 9 CHIEF ENGINEER (HYDROLOGY), IWAI, MOST, GOI
- 10 MEMBER ((RM)), CWC, NEW DELHI
- 11 MEMBER ((HE)), CEA, NEW DELHI
- 12 DY. DIRECTOR GENERAL, GSI, SHILLONG
- 13 DIRECTOR GENERAL, IMD, NEW DELHI
- 14 FINANCIAL ADVISER, NEC, SHILLONG
- 15 SECRETARY, FCD, GOVT. OF ASSAM
- 16 SECRETARY, IFCD, GOVT. OF MANIPUR
- 17 CHIEF ENGINEER, P&E Deptt. IFCD, GOVT. OF MIZORAM
- 18 CHIEF ENGINEER, I&FCD, NAGALAND
- 19 CHIEF ENGINEER ((WRD)), GOVT. OF ARUNACHAL PRADESH.
- 20 CHIEF ENGINEER, PWD(R), GOVT. OF MEGHALAYA
- 21 ENGINEER-IN-CHIEF, PWD ((WR)), GOVT. OF TRIPURA.

ACTIVITIES OF BRAHMAPUTRA BOARD

1. The Brahmaputra Board was constituted in 1980 by an Act of Parliament 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.
2. Initially the seven states of North East i.e. Arunachal Pradesh, Assam, Meghalaya and parts of the states of Manipur, Mizoram, Nagaland, Tripura were included in the jurisdiction. The jurisdiction has been extended in June 2006 to include Sikkim and North Bengal (part of West Bengal) falling within the Brahmaputra Basin.
- 3 Major Functions:
 - The main function of the Board is the preparation of Master Plan for the control of flood and bank erosion and improvement of drainage giving due importance to the development and utilisation of Water Resources for irrigation and hydropower, navigation and other beneficial purposes.

Other functions include

- Preparation of Detailed Project Reports (DPR) and estimates of projects proposed in the Master Plans approved by the Central Government.
- Construction of Multipurpose Dams and other works proposed in the Master Plans as approved by the Central Government.

BRAHMAPUTRA BOARD'S COMPLETED WORKS

- Carried out survey & investigations and prepared
 - ❑ 36 Master Plans were prepared and approved by Central Govt. for Brahmaputra, Barak & some of their tributaries.
 - ❑ 5 Master Plans approved by the Board and submitted to MoWR for approval.
 - ❑ 1 Master Plan approved by the Board and under process of submission to the MoWR for approval
 - ❑ Completed 2 Master Plans and circulated to Board members for approval.
 - ❑ 7 Nos. Master Plans under various stages of preparation/modification.
 - ❑ 3 Nos. Master Plans under survey and investigation.
 - ❑ Survey and investigation for 3 Master Plans of major south flowing rivers of Brahmaputra basin in North Bengal and Sikkim have also been taken up.

- Survey investigation and preparation of DPR for multipurpose projects.
 - DPRs completed for five projects (Siang Single Stage, Subansiri Single Stage in Arunachal Pradesh, Tipaimukh in Manipur, Mizoram & Assam, Pagladiya in Assam and Bhairabi in Mizoram).
 - DPR for Dibang project in Arunachal Pradesh handed over to NHPC.
 - Preparation of 8 DPRs under various stages of investigations.
 - Siang & Subansiri dam projects have been handed over to NHPC.
 - Tipaimukh & Bhairabi dam projects have been handed over to NEEPCO & Govt. of Mizoram respectively.
- Construction activities:

- **Construction activities:**

(A) Pagladiya Dam Project: This project, meant for flood moderation to benefit an area of 40000 ha, irrigation benefit to 54,160 ha and incidental power generation of 3 MW, is proposed across Pagladiya River at Thalkuchi in Baksa District which falls under Bodoland Territorial Autonomous Districts (BTAD) in Assam. The project envisages construction of 25 m high and 21 km long earth dam with a concrete spillway. The Government of India had sanctioned the project in January 2001 at an estimated cost of Rs.542.90 crore for construction by Brahmaputra Board.

- Works carried out (from 2001)
 - Pre-construction survey, investigations, studies, design, drawings etc.
 - Taking possession of land (956 ha) for Resettlement & Rehabilitation (R&R) purpose
 - Construction of project roads, offices, etc.
 - Preparation of technical specifications & tender document
 - Pre-qualification of contractors for main works

The work for Pagladiya dam project are held up due to non-completion of Zirat survey and land acquisition by the State Govt. The Government of Assam has informed Brahmaputra Board that all the revenue and land matter of BTC area has been transferred to Boroland Territorial and as such the Board should take up the matter of Zirat Survey with them. Accordingly the Board is taking up the matter of Zirat Survey with the Principal Secretary of Boroland Tritorial Council,

The Government of Assam has informed Brahmaputra Board in a meeting held on 4-4-2008 taken by the Principal Secretary to the Govt. of Assam, Revenue and Disaster Management Department with the concerned officials of Govt. of Assam and Brahmaputra Board, that all the revenue and land matter of BTC area has been transferred to Boroland Territorial and as such the Board should take up the matter of Zirat Survey with them. Accordingly, the Board is taking up the matter of Zirat Survey with the Principal Secretary of Boroland Territorial Council. In this respect Board has already written to the Principal Secretary of Boroland Territorial Council to initiate the Zirat survey.

A meeting was held under the Chairmanship of Secretary (WR), MoWR, Govt of India on the issues related to Brahmaputra Board and flood matters in Assam at New Delhi on 15-05-2008. In the meeting the Chief Secretary, Government of Assam informed that the subject of land is being dealt with by the Bodoland Territorial Council (BTC) independently and therefore, the action on Zirat Survey needs to be taken up by them. It was decided that the Chairman, Brahmaputra Board would make continuous efforts to get the matter expedited with the Principal Secretary, BTC at the earliest. It was also decided that the Government of Assam should expedite the matter by coordination with BTC. The Principal Secretary, BTC has been approached for a meeting to initiate Zirat Survey. A discussion between the officials of BTC and Chief Engineer, Pagladiya Dam Project is scheduled in the 1st week of September, 2008.

(B) Construction of Drainage Development Schemes:

- (i) Harang Drainage Development Scheme:** The Harang Drainage Development Scheme with an estimated cost of Rs.30.49 crore is being executed by Brahmaputra Board in the Cachar District of Assam. The scheme on completion will provide benefits to 11850 ha chronically drainage congested area in Barak Valley, Assam for agriculture. The scheme was taken up in 1999-2000 and is now almost completed.
- (ii) Borbhag Drainage Development Scheme (Rs.7.23 crore):** Works are in progress. Raising and strengthening of embankment and re-sectioning of channel are under execution. The target for project completion is 2009-10.
- (iii) Amjur Drainage Development Scheme - (Rs.14.15 crore):** The works were taken up during 2006-07 but could not progress much because the State

Government could not make the required land available to the Brahmaputra Board. The Zirat Survey for the required land has been completed and land acquisition is in progress. The project is scheduled to be completed by 2009-10.

(iv) Other Drainage Development Schemes : 6 (six) nos. of DDS viz. (1) Jengrai (2) Joysagar (3) Jakaichuk (4) East of Barpeta (5) Singla and (6) Kailashahar were taken up for execution during the year 2006-07. The progress of works of Jengrai and Jakaichuk DDS are as per schedule. The progress of works of other DDS except the Jengrai & Jakaichuk DDS are affected due to delay in the process of handing over the land by the State Government.

(C) Anti-erosion and Flood Control Schemes.

(i) Avulsion of Brahmaputra at Dholla Hatighuli - Phase-I (Rs.10.47 crore): Completed in July, 2004. On execution of the works, the river Dibang has been diverted back to its original course and erosion on the south bank has been reduced, also reducing the severity of floods in the Dholla-Hatighuli area.

(ii) Avulsion of river Brahmaputra at Dholla-Hathighuli - Phase-II (Rs.4.95 crore): Initially estimated at Rs.5.22 crore, completed at Rs.4.95 crore in July 2004. As a result of the works, considerable amount of flow of river Lohit has been diverted back towards the north from its shifted position along with silting up the flood channel.

(iii) Avulsion of river Brahmaputra at Dholla-Hathighuli - Phase-III (Rs.8.47 crore): This scheme has been taken up by Board during X Plan under the scheme Critical Flood Control Scheme in Brahmaputra and Barak Valley (State Sector) and completed during the year 2007-08. The phase-III works were also taken up to strengthening the Phase –II works as well as to divert the Lohit towards the north from its shifted position along with silting up the flood channel.

The DPR for Phase-IV works for complete closure of the avulsed channel has been submitted to CWC for techno-economic clearances.

(iv) Protection of Majuli Island in Assam (Immediate measures) – (Rs.5.92 crore): This scheme meant to reduce the problem of flood and erosion in the Majuli Island to some extent as an immediate measure was initially estimated at Rs.6.22 crore. The works have been completed at Rs.5.92 crore during 2004-05.

(v) Protection of Majuli Island in Assam - On receipt of request of Govt. of Assam and, the Detailed Project Report on protection of Majuli Island from flood and erosion was prepared by Brahmaputra Board based on the basis of recommendations of the Master Plan and submitted to the CWC during August, 2000. The Central Water Commission techno-economically cleared the scheme in August, 2003 for Rs.86.56 crore comprising 3(three) phases such as Phase-I, II & III.

As mentioned above, to reduce flood problem of the Majuli Island, protection works were undertaken in 2004-05 as immediate measures at an estimated cost of Rs.6.2 crore. These works were followed by protection works under phase-I for Rs.41.28 crores, as part of DPR cleared by CWC for Rs.86.56 crore and 90% of the works of Phase-I have been completed till July, 2008. The estimate for Phase-I has been revised incorporating the works actually ordered for execution as per recommendation of the Experts visited the affected areas and the revised estimate amounting to Rs.56.07 crore has been cleared by CWC. In addition to above a scheme amounting to Rs.4.9969 crore has been cleared by CWC as emergent works to be completed before 2008 monsoon. Phase-II & III, proposed on the basis of the findings of the model studies undertaken under Phase-I has been technically cleared by CWC for Rs. 86.36 crore. The Phase-II & III works have been proposed to be completed by the year 2011-12.

(vi) Anti-erosion measures to protect Kushiabil & Durgajan Village at Dimapur of river Dhansiri (S) – (Rs.2.64 crore): Phase-I for protection of Kushiabil & Durgajan village has been completed for Rs.0.85 crore. Phase-II for protection of Mao colony, Kuki village & Assam Rifles Transit Camp (Rs.1.80 crore) is also completed.

(vii) Anti-erosion works of Nagrijuli, Rangia town and Mukamua/ Borbhag area from flood and erosion of Puthimari river, Assam: (Rs.4.89 crore): The estimate for Nagrijuli protection works for Rs. 4.89 crore have been technically cleared by C.W.C. in the year 2005-06 and expenditure sanction was accorded during March 2007. The scheme is presently under execution. Nearly 77% of the works have been completed and the scheme is expected to be completed within the current financial year.

2. North Eastern Hydraulic and Allied Research Institute (NEHARI):- This institute was established under Brahmaputra Board at Rudreswar (North Guwahati) as per the Assam Accord, and operationalised during 1996. The main functions of NEHARI are material testing, carrying out 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. There is a working arrangement for coordination with the Central Water & Power Research Station (CWPRS), Pune and Central Material Research Station (CSMRS), New Delhi. Three model studies and several testing of soil, rock and concrete samples have already been carried out in NEHARI for various organisations/ project authorities in the N. E. Region like North East Electric Power Corporation, Central Water Commission, North Eastern Council, National Hydro Power Corporation and State Governments of Assam, Manipur, Meghalaya and Mizoram. In addition to above the model studies of Majuli for long term solution for flood problem of Majuli Island and Jiabharali river at Chokighat for construction bridge at the National highway have also been completed.

6. Flood Management Programme under State Sector for taking up Flood Control and River Management Works during XI Plan: In November, 2007, the Government of India has approved the Cabinet Note for the implementation of "Flood Management Programme" a state sector scheme under Central Plan to provide central assistance to the State Governments amounting to Rs. 8000 crore during XI Plan period (2007-12) for taking up river management, flood control, anti-erosion, drainage development, flood proofing work and restoration of damaged flood management works etc. 136 schemes of the States of Assam, Arunachal Pradesh, Nagaland, Sikkim, Mizoram, Tripura and West Bengal under the jurisdiction of Brahmaputra Board estimated at Rs. 653.51 crore have been cleared.

7. Long term strategy for Flood Management and Erosion Control in Brahmaputra river:- Long term strategy for the flood control of Brahmaputra River Basin has been brought out in the Master Plan of main stem of Brahmaputra, prepared by Brahmaputra Board and approved by Government of India. These long term strategies are given below:-

- (i) multipurpose storage dam projects;
- (ii) watershed management;
- (iii) river training works ;

Some reaches of river Brahmaputra experiences heavy erosion on both the banks which sometime results in development of side channels also. The causes of heavy erosion are identified to be excessive sediment loads, steep bed gradients, erodable nature of bank materials etc. The erosion is mostly observed at places both on the upstream and downstream of stable reach or nodal points. It has been suggested in the master plan that the reaches of the river where erosion is acute should be studied and examined on scientific basis to find out causes of formation of Char-land in the middle and side channels along either bank. It has also been suggested in the master plan that the reach-wise behavior of the river in regard to the other conditions like velocity distribution, boundary condition, silt carrying capacity and other parameters should be examined from one nodal point to the other.

All these years only short-term measures were taken for river training on site specific points. Some beginning has to be made for starting some long-term measures to tackle riverbank erosion problem.

Brahmaputra Board has already prepared a Concept Note on Bank Stabilization of river Brahmaputra and forwarded the above to CWC; CWPRS; WRD, Govt. of Assam; WRDTC, IIT Roorkee; Civil Engineering Department of IIT- Guwahati; Assam Engineering College, Guwahati; Jorhat Engineering College and NIT Silchar. The report has been modified as per the suggestions/ observation of the experts/organisations. A modalities is in the process of finalisation for carrying out mathematical model studies in collaboration with CWPRS, Pune to ascertain the feasibility of the proposed Channalisation of river Brahmaputra so that a long-term solution of flood/erosion problem of the Brahmaputra valley can be concretized and executed.

