

भारत सरकार
जल संसाधन, नदी विकास एवं गंगा संरक्षण मंत्रालय
गंगा बाढ़ नियंत्रण आयोग

सिंचाई भवन, पटना-800015
दूरभाष/फैक्स 0612-2217084

सं:जीएफसीसी/सी//2/2010/3750-74 दिनांक:07/07/2017

विषय : Summary Record of the Discussions of 50th Meeting of Ganga Flood Control Commission held on 07.06.2017 at Lucknow

महोदय,

A copy of summary record of discussion of the 50th meeting of Ganga Flood Control Commission (GFCC) on 07.06.2017 at Lucknow is enclosed for favour of information and necessary action please.

It is requested that the time frame decided in the meeting for various activities may please be adhered to.

यह पत्र अध्यक्ष, गंगा बाढ़ नियंत्रण आयोग के अनुमोदनोपरांत निर्गत किया जाता है।

संलग्नक: उपरोक्तानुसार

भवदीय,
मनोज कुमार
27.7.2017
(मनोज कुमार)
निदेशक (एमपी-1)

प्रतिलिपि सूचनार्थ

Members

1. PPS to Secretary, Ministry of WR, RD &FR, Sharam Shakti Bhawan, Rafi marg, New Delhi.
2. Member (RM), Central Water Commission, Sewa Bhawan, R.K.Puram, New Delhi – 110 066.
3. Chief Engineer (Lower Ganga Basin Organisation), Central Water Commission, 177-B, Shri Krishna Puri, Patna – 800 001.
4. Chief Engineer, Planning, Roads Wing, Department of Surface Transport & Highways, Ministry of Road Transport and Highways, Transport Bhawan, New Delhi-110 001.
5. Executive Director, Civil Engineering (Bridge & Structures), Railway Board, Room No.126, Rail Bhawan, New Delhi – 110 001.
6. Engineer-in-Chief, Water Resources Department, Madhya Pradesh, Shivajee Nagar, Bhopal-462 016
7. Chief Engineer (Investigation & Planning), Irrigation Department, Uttar Pradesh, Lucknow-226 001.

8. Engineer-in-Chief (North), Water Resources Department, Government of Bihar, Sinchai Bhawan, Patna.
9. Chief Engineer (D&R), Irrigation & Waterways Directorate, Government of West Bengal, Jalsampad Bhawan, Salt Lake City, Kolkata-91.
10. Engineer-in-Chief, Water Resources Department, Government. of Jharkhand, Nepal House, Doranda, Ranchi-834002
11. Chief Engineer & Head of the Deptt. Irrigation Department, Government of Uttarakhand, Yamuna Colony, Dehradun-248001.
12. Engineer-in-Chief, Water Resources Department, Government of Chhattisgarh, Civil Line (Near Police Station), Raipur-492001.
13. Director, Central Water & Power Research Station, P.O Khadakwasla, Pune-411024.

Permanent Invitees

1. Engineer-in-Chief, Irrigation & Water Resources Department, Government of Haryana, Plot No. 1-4&5, Sinchai Bhawan, Sector-5, Panchkula-134112
2. Engineer-in-Chief, Irrigation & Public Health Department, Government of Himachal Pradesh, U.S.Club, Shimla-171001.
3. Chief Engineer, Water Resources Department, Government of Rajasthan, Sinchai Bhawan, Bhawani Singh Road, Jaipur-302005.
4. Chief Engineer, Irrigation & Flood, Government of NCT of Delhi, ISBT Building, 4th Floor, Kashmeri Gate, Delhi-110006.
5. Executive Director (Structures), Research, Design and Standards Organisation, Ministry of Railways, Manaknagar, Alambagh, Lucknow-226011.

Invitees

1. Commissioner (Ganga), Ministry of Water Resources, CGO Complex, 11th Block, 8th Floor, Lodhi Road, New Delhi.
2. General Manager, Farrakka Barrage Project, Ministry of Water Resources, P.O. Farrakka Barrage, District-Murshidabad-742212 (West Bengal)
3. Director, National Institute of Hydrology, Jalvigyan Bhawan, Roorkee (Uttarakhand).
4. Group Head, Water Resources Group, NRSC, Balanagar, Hyderabad-500037.
5. Joint Director, FMISC, Water Resources Department, Govt. of Bihar, Anisabad, Patna.
6. Director, Remote Sensing Applications Centre (RSAC), Sector-G, Jankipuram, Kursi Road, Lucknow-226021 (U.P)
7. Chief Engineer, Irrigation Research Institute, Roorkee-247667 (Uttarakhand)

**Summary Record of the Discussions of 50th Meeting
of Ganga Flood Control Commission held on 07.06.2017 at Lucknow**

The 50th meeting of Ganga Flood Control Commission (GFCC) was held on 7th June, 2017 at Lucknow under the chairmanship of Shri A.K.Sinha, Chairman, GFCC. The list of participants is at Annex-1.

At the outset, after a brief round of introduction of all the participants, the Chairman, GFCC welcomed all the participants present during the meeting. He informed that as per the recommendation of the Parliamentary Standing Committee on Water Resources on "Review of Ganga Flood Control Commission", there should be two meetings of GFCC in a year, namely, one meeting before the onset of Monsoon season to chalk out detailed coordinated strategies, measures and plan of action for coping with ensuing Monsoon rains for each State of the Ganga Basin followed by another meeting at the end of monsoon season to review and evaluate the effectiveness of the strategies and measures taken during the monsoon season. The present meeting is pre monsoon meeting of GFCC in 2017. The Meeting of GFCC provides a good platform for interaction among the members of participating States. It also provides platform to discuss about the data needs for updating comprehensive plans of flood management and the problems faced by the States in implementing recommendations given in the Comprehensive Plans. He further stated that GFCC meetings would also be helpful in discussing the problems in providing adequate waterways under rail and road bridges based on the studies of adequacy of waterways conducted by GFCC.

Shri L.P Singh, Director, GFCC welcomed all the present member states in the meeting.

Chairman, GFCC highlighted the following major issues to be addressed by the Member States.

- (i) Every State has its own typical problems while planning and implementing the flood management schemes in that State. The Member States should share the experiences in formulating the proposals of flood management schemes and implementing the same.
- (ii) The temporary and emergent measures of flood management such as flood fighting and putting in place anti-erosion schemes may solve the problems of erosion and flooding at a place but at the same time may cause transfer of those problems to other places. Hence, comprehensive solutions are required for tackling the problems of flooding, erosion and sedimentation.
- (iii) Appraisal of Detailed Project Reports (DPRs) on flood management submitted by the States is an important function of GFCC. However, the DPRs submitted at the first

instance are found to be deficient one. One such important deficiency is non-adherence to the guidelines of GFCC in its preparation. Also, the responses from States are not received in time. This would cause delays in appraising the schemes, thereby causing delay in implementation. He emphasised the need of timely submission of compliances on observations made by GFCC with all the requisite details and due care. The delay in the process spoils effectiveness of proposals. The status of appraisal of flood management projects are being uploaded in e-PAMS which can be viewed on CWC website. It is proposed to upload e-PAMS in GFCC website also.

- (iv) Detailed Comprehensive Plans for all the 23 individual river systems of Ganga basin were prepared by GFCC with cooperation and interaction from the Ganga basin States. These plans were made available to the State Governments for follow up action. All Comprehensive plans except Kosi river system have been updated once. The second updation of 5 Comprehensive plans has also been done. At present two comprehensive plans of flood management namely Rupnarayanpur-Haldi-Rasulpur and Kosi river systems are under progress in GFCC. It has been found that the recommendations of comprehensive plans are not being implemented with due seriousness and spirit. Implementation Committees need to be constituted by all the Ganga basin States. In this endeavour, GFCC may interact and impress upon the States from time to time to carry forward the plans.
- (v) Chairman GFCC also pointed out that due to limitation of central assistance as well as state fund for flood management scheme, prioritization of schemes as per scales of GFCC is going to be implemented soon. In this regard a software is also being developed. It was also mentioned by Chairman that use of Drone survey on embankment would be powerful tool in fixing the prioritization of flood management schemes in any state.

Subsequent to the opening remarks by the Chairman, GFCC, Shri Manoj Kumar, Director (MP-I), GFCC. made a power point presentation for deliberation of agenda items. The items discussed and decisions taken are as under.

Item No. 50.1 Confirmation of Summary Record of discussions of the 49th Meeting of Ganga Flood Control Commission held on 08.06.2016 at New Delhi

The Summary Record of Discussions of the 49th Meeting of the GFCC held on 08th June, 2016 at New Delhi was circulated to all members vide GFCC's letter no. GFCC/C/2/2010/3278-87 dated 20.07.2016. No comments have been received thereon from any of the members.

Members confirmed the Summary Record of Discussions of the 49th Meeting of GFCC.

Item No. 50.2 Follow up Action undertaken on the minutes of 49th meeting of GFCC.

Follow up action undertaken on the minutes of 49th meeting of GFCC is as under:

Item No.	Particulars of Item	Important Decisions taken during 49 th meeting	Follow Up Action
49.1	Confirmation of Summary Record of discussions of the 48 th Meeting of Ganga Flood Control Commission held on 09.11.2015 at New-Delhi.	The minutes were confirmed.	No action required.
49.2	Follow up Action undertaken on the minutes of 48 th meeting of GFCC	The position was noted.	No action required.
49.3	Presentation from Member States on Flood Management Issues during monsoon 2016.	Presentations were made by Govts of Bihar, U.P., Delhi & Haryana	No action required.

Item No. 50.3 Presentation from Member States on Flood Management Issues and their Preparedness for monsoon 2017, experiences from monsoon 2016 and status of follow up actions on the discussion of earlier meetings

Member States and other members/ special invitees were requested to give a brief presentation (5 to 10 minutes) on their Preparedness for monsoon 2017, experiences from monsoon 2016 and also on the status of follow up actions on the discussion of earlier meetings.

Uttar-Pradesh gave presentation on their preparedness for monsoon 2017.

The state Government of Haryana and Chhattisgarh also stated their preparedness for upcoming Monsson 2017.

Presentation on application of remote sensing technology & use of LIDAR and Bathymetric survey was given by Shri A.K Agarwal, Scientist-SF, Remote Sensing Application Centre, Uttar Pradesh.

Chairman, GFCC and Shri L.P Singh, Director, GFCC inquired about various aspects of remote sensing and bathymetric survey.

Item No. 50.4 Establishment of GIS lab and Satellite Data Repository as part of modernization of GFCC

As per EFC provision for GFCC component under the planned scheme "River management activities and work related to border areas", GIS lab and Satellite Data Repository have been established in GFCC. Software like ArcGIS, ERDAS have been purchased and hardware has been procured. Training programs have been organized for the officers concerned. Shri L.P Singh, Director, GFCC advised for collaboration of GIS lab of GFCC with remote sensing centre. Chairman, GFCC stated that the proposal would be considered in future.

The position was noted by the members.

Item No. 50.5 Review of Comprehensive Plans for Flood Management prepared by the GFCC and their Implementation

Chairman asked the states to refer to comprehensive plan prepared by GFCC as it would be helpful in preparation of DPR. He also asked for recommendations and suggestions from member states towards updation of comprehensive plan. He informed that the member states should prepare the DPRs for flood management schemes as per comprehensive plan. It was further informed that updation of Comprehensive plans for flood management in Rupnarayan-Haldi-Rasulpur river system and Kosi river system are under process in GFCC.

The position was noted by the members.

(Action: All Member States)

Item No. 50.6 Implementation of Sub-Basin wise Comprehensive Plans for Flood Management prepared by the GFCC

During the previous meetings of GFCC, it was decided that the Action Plan for implementation of recommendations as given in Comprehensive Plans of following river basins would be prepared by the concerned State Governments:

Sl. No.	Name of Comprehensive Plans	States Associated
1.	Ghaghra River System	Uttar Pradesh & Bihar
2.	Mahananda	Bihar & West Bengal
3.	Mayurakshi & Ajoy	West Bengal & Jharkhand
4.	Sone	Jharkhand, U.P & Bihar

In the 49th meeting of GFCC, the concerned States were requested to send the information to GFCC. However, the same is still awaited from the concerned States. Member states agreed to send the requisite information before the next meeting of GFCC.

(Action: UP, Bihar, West Bengal & Jharkhand)

Item No. 50.7 Submission of State wise/Basin wise data/information for updation of Comprehensive Plan for Flood Management etc.

The importance of furnishing the data/information required by the Ganga Basin States for updating of Comprehensive Plans for Flood Management of Ganga Basin and its Sub-Basins was highlighted in various GFCC meetings and Member States were requested to furnish data/information regularly to GFCC. Member States had agreed to furnish the desired data/information on priority basis.

This issue was earlier discussed during the 16th meeting of Ganga Flood Control Board held at New Delhi on 16.01.2013 and it was decided to constitute a Standing

Committee for each Ganga Basin State regarding the collection/coordination of data/information required for various purposes like updating of Comprehensive Plans, inventory of Flood Management Schemes, etc. The composition of Standing Committee as approved by Board is as under:

1. Member, GFCC, Patna - Chairperson
2. Engineer-in-Chief / Chief Engineer (In charge of Flood Management) of the Irrigation/WR Department of the State. - Member
3. Chief Engineer/Superintending Engineer responsible for the coordination of Flood Management at the State Head Quarter. - Member
4. Representative of Disaster Management Department of the State Govt. - Member
5. Representative of the Remote Sensing Department of the State Govt. - Member
6. Director, GFCC, Patna - Member-Secretary

GFCC has prepared a draft composition of committee. Chairman, GFCC asked for names from states towards standing committee created by GFCC. It was decided that details of nomination for standing committee would be mailed and discussed with member states.

(Action: All Member states)

Item No. 50.8 Review of technical appraisal status of flood management schemes in GFCC

A state wise abstract of status of Technical Appraisal of Schemes was presented. The position was noted by the Members. Chairman, GFCC requested all Ganga Basin states to co-operate with GFCC in furnishing requisite information in time so that there is no pendency of any scheme. As per recent guidelines for appraisal of flood management schemes, the schemes should be appraised in time-bound manner, otherwise they should be returned back to states. It was agreed by all member states to create a whatsapp group for project appraisal in GFCC wherein necessary information can be shared by group members.

(Action: All Member states)

Item No. 50.9 Review of Flood Management Schemes being implemented under Flood Management Programme of Govt. of India.

A state wise abstract of status of flood management Schemes included under FMP was presented. The position was noted by the Members. Member Secretary asked states to provide regular updation of current status. It was informed that States did not give completion certificate as well as utilization certificate of funds, for completed schemes. As a result, the completed schemes remain as ongoing in the status list maintained in GFCC.

(Action: All Member states)

Item No. 50.10 Performance Evaluation of Completed Schemes under FMP

As per the FMP guidelines, the performance evaluation of completed schemes is required to be conducted by State Governments through independent specialized/ professional agency having expertise in related field in consultation with GFCC.

To facilitate these studies, GFCC has prepared a model Terms of Reference (ToR) for these studies and sent to all Member States in April, 2014. The terms of reference of performance evaluation of completed schemes are available on the GFCC website.

Chairman, GFCC requested Member States to undertake the performance evaluation of completed flood management schemes following model terms of reference prepared by GFCC in a time-bound manner.

The members agreed to furnish current status of performance evaluation study of completed schemes to GFCC.

(Action: All Member states)

Item No. 50.11 Discussion on design, planning, formulation and implementation of flood management scheme

Technical memorandum on General flood Management structures prepared by GFCC has been circulated to all member states and uploaded in GFCC website. It was suggested to follow the design of flood management schemes from technical memorandum.

(Action: All Member states)

Item No. 50.12 Expert Committee for formulation of guidelines for use of geo-textile/ geo-bags/ geo-tubes in construction of flood management works

Chairman,GFCC informed that the interim report of the expert committee for use of geo-textile/ geo-bags/ geo-tubes in construction of flood management works has been circulated to all member states and uploaded in GFCC website. One of the terms of reference of the Committee is "to prepare inventory of flood management works constructed in the country using geotextiles/ geobags/ geotubes". The importance of preparation of inventory was emphasized as valuable inputs in finalization of the guidelines and Member States were requested to provide whatever information they have in this regard at the earliest.

Item No. 50.13 Formulation of National River Silt Management Policy

The draft sediment Management policy in Indian Rivers prepared by the Ministry of Water Resources, River Development & Ganga Rejuvenation was placed before Member states for discussion and comments. Member states agreed to send their comments/views within 15 days time.

(Action: All Ganga Basin states)



Item No. 50.14 Enactment of legislation for Flood Plain Zoning

The Ministry of Environment, Forest and Climate Change has already set up a committee to prepare River Regulation zone notification under the ambit of Environmental protection act, 1986. The said committee has already prepared a draft notification which has been sent to all states and concerned central Ministries including Ministry of Water Resources, River Development & Ganga Rejuvenation. The River Regulation zoning is essential for environmental protection and it would be appropriate to issue notification under the environmental protection act, 1986 rather than waiting for states to adopt Model flood plain zoning bill. Since the subject matter has been taken up as a regulatory measure on all-India basis which would fulfil flood management requirements also, it was agreed by all Member states to drop the agenda item from GFCC meeting. Chairman, GFCC requested member states and GFCC to study the draft river regulation zone notification and provide comments.

Item No. 50.15 Date and Venue of the next meeting

Date and venue for next meeting would be finalised by Chairman, GFCC in consultation with Ganga basin states.

Item No. 50.16 Any other item(s) with the permission of the Chair

The issue of Comprehensive review of embankments through a drone survey to prioritise the works of embankments proposed by the riparian states was discussed in the meeting and Remote Application Centre, Lucknow stated to explore the possibility of such works using remote sensing technique.



List of participants of the 50th meeting of GFCC held on 7th June, 2017at Lucknow

Chairman/Members/Permanent Invitees

1. Shri A.K.Sinha, Chairman, Ganga Flood Control Commission, Patna – In Chair
2. Shri Sudhir Kumar Sahu, Chief Engineer, LGBO, Central Water Commission, Patna
3. Shri Bhupendra Sharma, Engineer-in-Chief, U.P Irrigation Department, Lucknow.
4. Shri Manish Sharma, Executive Engineer, Haryana Irrigation & Water Resource Department.
5. Shri Uma Shankar Ram, Executive Engineer, Water Resources Department, Chattisgarh.

Other Invitee/Participants

Chattisgarh.

6. Shri W.D Ramtekkar, Executive Engineer, Water Resource Department, Balrampur, Chhattisgarh.

Haryana

7. Shri Ravinder Kumar, Sub-Divisional Engineer, Haryana Irrigation Department.

Remote Sensing Applications Centre (RSAC)

8. Shri A.K Aggarwal, Scientist 'SG', Remote Sensing Application Centre, Uttar-Pradesh.

Uttar Pradesh

9. Shri Jai Prakash Dwivedi, Chief Engineer Level-1, Irrigation Department, Lucknow.
10. Shri Kazim Ali, Chief Engineer, Karmik-G-6, U.P Irrigation, Lucknow.
11. Shri Ajay Kumar Trivedi, Chief Engineer (I&P), Irrigation Department, Lucknow.
12. Shri Vinod Kumar Srivastava, Chief Engineer, Externally Aided Projects.
13. Shri R.N Divya, Chief Engineer, Hasdeo Ganga Basin, Ambikapur, Chattisgarh.
14. Shri Abhay Verma, Director, RDSO, Lucknow.
15. Shri H.S Meena, RDSO, Lucknow.
16. Dr. R.P Singh, Superintending Engineer, 15th Circle, Irrigation Work, Gonda.
17. Shri G.C Aggarwal, Superintending Engineer, Allahabad, U.P Irrigation Department.
18. Shri A.P Singh, Superintending Engineer, Bahraich
19. Shri Vinod Kumar Verma, Executive Engineer, I&P, Lucknow
20. Shri Kamlesh Kumar, Executive Engineer, I&P
21. Shri Rajendra Prasad, Executive Engineer.
22. Shri Sudhakar Singh, Assistant Engineer, I&P Circle-3, Unit-9
23. Shri Sanjeev Ratna Choubey, Assistant Engineer, Flood Unit, I&P Circle.
24. Shri A.K Singh, Superintending Engineer, U.P Irrigation.
25. Shri Shobhit Kushwaha, Executive Engineer, Baraich.

Ganga Flood Control Control Commission

26. Shri L.P Singh, Director,GFCC,Patna
27. Shri Amitabh Prabhakar, Director (MP-II), GFCC, Patna
28. Shri Manoj Kumar, Director (MP-I), GFCC, Patna.
29. Shri Vivek Pal, Director,GFCC, Lucknow.
30. Shree Ram, Dy. Director, GFCC, Lucknow.
31. Shri Kumar Kaushal, Dy. Director, GFCC, Patna
32. Shri Ajit Kataria, Assistant Director, GFCC, Lucknow.
33. Shri Kumar Vaibhav, Assistant Director, GFCC, Patna.



