

भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन नदी विकास एवं गंगा संरक्षण विभाग  
केन्द्रीय जल आयोग  
बाढ़ पूर्वानुमान प्रबोधन निदेशालय



Government of India  
Ministry of Jal Shakti  
Dept. of Water Resources, RD&GR  
**Central Water Commission**  
**Flood Forecast Monitoring Directorate**

No. T-37087/1/2019-FFM/

Dated: 08.03.2024

To

The Executive Engineer,  
Chenab Divn/SHD/UYD/LYD/Chambal  
Divn/HGD/MGD-I/MGD-II/MGD-III/LGD-I/LGD-II/LGD-III/  
DD/UBD/MBD/LBD/NEID-I/NEID-II/NEID-III/Meghna Div/MID/SID/Mahanadi  
Div/ERD/WGD/UGD/LGD/UKD/LKD/Nahi Divn/TD/ND/HD/Cauvery Divn/SRD/SWRD, Central  
Water Commission

Jammu/Shimla/New Delhi/Agra/Jaipur/Haridwar/Lucknow/Varanasi/Patna/Berhampur/Asansol/  
Dibrugarh/Guwahati/Jalpaiguri/Silchar/Aizwal/Itanagar/Silchar/Shillong/Gangtok/Burla/  
Bhubaneswar/Nagpur/Hyderabad/Pune/Hyderabad/Gandhinagar/Surat/Bhopal/Chennai/  
Bengaluru/Coimbatore/Kochi

**Subject: Preparedness for flood forecasting services for year 2024 and data/information requirement at Head Quarters for monitoring the forecasting activity at National Level.**

All the field offices are hereby requested to take necessary steps of preparedness to continue the CWC flood forecasting services during the ensuing monsoon well before its onset in accordance with the Notification dated 22<sup>nd</sup> April 2019 for designated flood season as well as the Standard Operating Procedure (SOP) on Flood Forecasting. This Directorate may please be confirmed about the preparedness for the flood forecasting activities at the earliest.

2. The monitoring of Data Entry/Reception of Telemetry data and issue of Flood Forecasts (FF) by field offices of CWC is done by this Directorate through the Central Flood Control Room (CFCR) of Department of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD & GR) under Ministry of Jal Shakti (MoJS). Based on data observed at all the FF & Flood Monitoring Stations, bulletin is prepared and issued daily by this office during the notified flood season. The bulletin contains the following information.

- (a) Daily water level & forecast for all stage forecasting stations.
- (b) Daily reservoir level & inflow forecast for all inflow forecasting stations.

The bulletin is forwarded primarily to the Integrated Operation Centre (IOC), Ministry of Home Affairs, National Disaster Management Authority (NDMA), senior officers in the DoWR, RD & GR, MoJS including the Hon'ble Minister of MoJS, Chairman and other officers of Central Water Commission. The information so collected & compiled at the Headquarters is also frequently needed for reply of Parliament Questions especially during Monsoon Session.

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3. In order to facilitate the above activities, CWC will be using the upgraded data entry website of Water Management Information System (WIMS) namely <https://india-water.gov.in/wims/> with features like online data entry system, reports generation and dissemination through e-mail and SMS. The WIMS is to be used like last year for feeding the hourly water level data, rainfall data, reservoir data (such as Inflow, Outflow through spillway and outflow through canal, etc.), generating bulletins and sending e-mail and SNS. Data from none of the flood forecasting stations as well as their base/monitoring stations should be missing from data entry in WIMS on any account as it is very essential for running mathematical models from CWC Headquarters.

4. The list of all the flood forecasting stations with State, District, Warning Level (WL), Danger Level (DL) and Highest Flood Level (HFL) with date (updated up to 2023 end) in case of Level Forecast and Flood Monitoring (Base) Stations and Full Reservoir Level (FRL), Maximum Water Level (MWL) and threshold limit in case of Inflow Forecast Stations shall be uploaded in the WIMS before commencement of flood season. If needed, a review of existing WL and DL of level forecast stations and threshold limit of inflow forecast stations may be done in consultation with concerned beneficiaries before the commencement of flood season. As far as possible, WL and DL for all flood monitoring stations including base stations may also be fixed and entered in WIMS before commencement of flood season.

5. Daily Flood Bulletins have to be issued to all beneficiaries/state Govt./concerned state authorities, etc. based on 0800 hrs observations in the morning and in case of flood, in the evening also bulletins may be issued based on 1800 hrs observations. A copy of the bulletins may be endorsed to this directorate via email every day including holidays/Saturdays and Sundays during the flood season.

6. The e-mail address and mobile numbers of all concerned organizations, beneficiaries and user agencies for all 338 FF (200 Level and 138 Inflow) stations shall also be updated and entered in the concerned forms in WIMS for sending e-mail/SMS using the web interface as well as sent to FFM Directorate for using the same to send the advisory forecasts. Contact details of nodal officers of various Systems of reservoirs under Integration Reservoir Operation may also be updated and a copy sent to this directorate for record.

7. There is a provision to generate SMS alert also in case of specific severe flooding such as 'Severe' and 'Extreme' floods and send the same to designated users by entering their mobile numbers. The mobile numbers of all the agencies, to whom SMS has to be sent, may accordingly be updated and kept ready. The information also has to be updated every 6 hours in case of 'Severe' and every 3 hours in case of 'Extreme' Flood Situation to all concerned.

8. The generation of Weekly bulletins is also automated with the WIMS. This requires feeding of hourly water level on real—time basis into the website. Hence the feeding of basic data is of utmost importance for the successful running of WIMS software.

9. Telemetry and Mathematical Model for FF: The telemetry system should be made functional with reliability at all installed sites before onset of monsoon as given in SOP for upkeep and maintenance of Telemetry Stations/Modelling Centres and Earth Stations circulated during 2018. Telemetry data only has to be used and manual data has to be used only in case of any failure of telemetry system. Further, this directorate has already requested all the divisions to change the time of observation of water level to round hour IST so that the data can be compared easily. This should be given top most priority and all the vendors be instructed suitably to change the observation time. The fortnightly return on the performance of telemetry data is to be continued throughout the year. Moreover, wherever mathematical models have been provided, they should also be used on real—time basis with Telemetry data and the performance of the model has to be highlighted in the Appraisal Report of the division.

10. Photographs/videos of severe and extreme floods, especially devastating flood situations, if any, and the comments of user agencies should also be made available promptly to this office for incorporation of the same in Daily flood Situation Reports cum Advisories which is generated for Pan-India from this Directorate. A standing instruction may be issued to all sub-divisions in charge of FF/Base stations in this respect. Flood photographs/video are essential for preparation of album as well as presentations at higher offices and these are being uploaded in the Flood Forecasting Facebook Page and Twitter as well for appraising senior officers in various ministries in times of flood.

11. All correspondence concerning the flood forecasting services during the flood season may be sent at the following address only:

Director (FFM), Central Water Commission, West Block-2, Wing VII, Ground Floor, R. K. Puram,

New Delhi -110 066

Telephone: 011- 29583829 (Director), 29583545(DD (HM)), 20867005, 29583666 (Control Room)

e-mail: [fm dte@nic.in](mailto:fm dte@nic.in), [ffmcwc@gmail.com](mailto:ffmcwc@gmail.com)

Website: Data entry: <https://india-water.gov.in/wims/login.xhtml>

FF Website: <https://ffs.india-water.gov.in/>

AFF website: <https://aff.india-water.gov.in/>

Mobile: 9811355107 (Director)

Facebook: @CWCOfficialFF

Twitter: @CWCOfficial\_FF

12. The complete postal address, telephone/mobile/fax number, e-mail address of all CWC offices i.e. the Sub-Division, Division, Circle and Organization along with names of the incumbents involved in flood forecasting activities may also be updated and sent to this office positively before 25<sup>th</sup> April 2024 through e-mail. The e-mail addresses as well as Mobile Numbers of all user agencies including those of new flood forecast stations shall also be updated and sent to this office.

13. All organizations may arrange regional meetings with concerned state authorities before the start of Flood Season 2024.

14. Flood Crisis Management Team headed by CWC organizational field Chief Engineers may conduct meetings time to time as per hydrometeorological situations arising in concerned jurisdictional area.

(Rakesh Toteja)  
Director (FFM)

A. Copy forwarded for favor of kind information to:

- (a) Sr. PPS to Chairman, CWC.
- (b) Sr. PPS to Member (River Management), CWC, New Delhi.
- (c) PPS to Chief Engineer, (Flood Management), CWC, New Delhi.
- (d) PPS to Chief Engineer (P&D), CWC, New Delhi.

B. Copy forwarded for favor of information and necessary action to all Regional Chief Engineers with a request that in case of Severe and Extreme Flood, a brief report on the same including the basin map of the affected basin should be sent to this directorate at the earliest. The basin map should also contain all the HO & FF Stations and all major reservoirs, weirs, barrages, etc for proper presentation to high authorities including National Crisis Management Committee as well as to

concerned Hon'ble Ministers.

Basinwise Daily Flood Situation Report cum Advisories for all basins under your jurisdiction may kindly be prepared on a daily basis and shared with all beneficiaries as well as to headquarters with all flood related information and advisories for the next 5 days.

There will also be preparedness Workshop during the last week of April 2024 for IBO, T&BDBO, BOBO & BBO and for other organizations during end of May 2023. The Chief Engineers of the respective organization shall attend this as per schedule and ensure that all preparedness activities including stakeholder consultations are completed before this workshop:

1. Chief Engineer, Indus Basin, CWC, Chandigarh.
  2. Chief Engineer, Yamuna Basin, CWC, New Delhi.
  3. Chief Engineer, Upper Ganga Basin, CWC, Lucknow.
  4. Chief Engineer, Lower Ganga Basin, CWC, Patna.
  5. Chief Engineer, Brahmaputra Basins, CWC, Guwahati.
  6. Chief Engineer, Barak & Other Basins, CWC, Shillong.
  7. Chief Engineer, Teesta, Bhagirathi & Damodar Basin, CWC, Kolkata
  8. Chief Engineer, Mahanadi & Eastern Rivers, Bhubaneswar.
  9. Chief Engineer, Narmada Basin, CWC, Bhopal.
  10. Chief Engineer, Mahi&TapiBasin,CWC, Gandhnagan
  11. Chief Engineer, Mon-Central, CWC, Nagpur.
  12. Chief Engineer, Krishna & Godavari Basin, CWC, Hyderabad.
  13. Chief Engineer, Monitoring South Organisation, CWC, Bengaluru.
  14. Chief Engineer, Cauvery and Southern Rivers, CWC, Coimbatore.
- c. Copy forwarded for favor of information and necessary action to the Superintending Engineer/Director of the following circles with a request that the field Divisions under their control may please be instructed to ensure timely transmission of data/information in WIMS, uploading short range forecasts, etc.
1. M&A, CWC, Jammu
  2. Mon & App., CWC, Shimla.
  3. Coordination, Indus Basin, CWC, Chandigarh.
  4. Hydrological Observation Circle, CWC, Ghaziabad.
  5. Hydrological Observation Circle, CWC, Dehradun.
  6. M&A, CWC, Lucknow
  7. Hydrological Observation Circle, CWC, Varanasi.
  8. Mon, CWC, Patna.
  9. Hydrological Observation Circle, CWC, Maithon.
  10. Hydrological Observation Circle, CWC, Guwahati.
  11. Investigation Circle, CWC, Gangtok
  12. Meghna Circle, Silchar
  13. North East Investigation Circle, Shillong
  14. Hydrological Observation Circle, CWC, Bhubaneswar.
  15. Hydrological Observation Circle, CWC, Gandhinagar.
  16. Coordination, NBO, CWC, Bhopal.
  17. Coordination, MCO, CWC, Nagpur.
  18. Godavari Circle, CWC, Hyderabad.
  19. Krishna and Coordination Circle, CWC, Hyderabad.
  20. HOC & C, MSO, CWC, Bengaluru.
  21. Cauvery & Southern Rivers Circle, CWC, Bengaluru.
  22. FCA-1, CWC, New Delhi with a request to update all the models and inclusion of all FF stations before commencement of flood season in the concerned basins in consultation with concerned division offices.
  23. FCA-2, CWC, New Delhi with a request to update all the models and inclusion of all FF stations in the model

before commencement of flood season in the concerned basins in consultation with concerned division offices.

24. FM-2, CWC, New Delhi

25. Director (SMD) for uploading in CWC website.

26. Director (RDC-1) for information.

D. Copy to Director, RDC-2 Directorate, CWC, West Block -2, R K Puram, New Delhi for information and coordination with NWIC.

E. Copy to Director (NWIC), DoWR, RD&GR, Sewa Bhawan, R K Puram, New Delhi with request to ensure the working of the online WIMS and website during the flood season on round the clock basis during the flood season from 1<sup>st</sup> May to 31<sup>st</sup> December 2024. Contact Details of the nodal persons from NWIC to whom this directorate or field division may contact in case of emergency may kindly be shared with all concerned. It is also requested that FF in WIMS Whatsapp Group may kindly be continued as was done during 2023 for taking up any immediately problems.