

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/ 141-76

Dated: 25 .03.2025

To
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/Mahi 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/Jaipur/SiIchar/Aizawl/Itanagar/SiIchar/Shillong/Gangtok/Burla/Bhubaneswar/Nagpur/Hyderabad/Pune/Hyderabad/Gandhinagar/Surat/Bhopal/Chennai/ Bengaluru/Coimbatore/Kochi

Subject: Preparedness for flood forecasting services for year 2025 and data/information requirement at Head Quarters for monitoring the forecasting activity at National Level.

All the field officers 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 no. T-37092/1/2019-FFM-Part(3) dated 04.02.2025 for designated flood season as per the Standard Operating Procedure (SoP) on Flood Forecasting . Field officers are required to make confirmation to FFM directorate on the preparedness for the flood forecasting activities at the earliest.

1. The monitoring of flood forecasting activities (e.g. issue of Flood Forecasts (FF) by field offices of CWC , data entry / reception of Telemetry data, etc.) 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, a bulletin is prepared and issued daily by this office during the notified flood season. The bulletin contains the following information.

- Daily water level & forecast for all stage forecasting stations.
- 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.

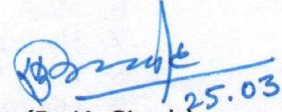
2. To facilitate the above activities, CWC will be using the data entry website of Water Management Information System (WIMS) namely <https://india-water.gov.in/wims/> with features like online data entry system, reports generation and dissemination through e-mail and SMS. The WIMS is to be used like 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 SMS. 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.
3. 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 2024 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.
4. 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 to be issued in the evening bulletins based on 1800 hrs observations. A copy of the bulletins may be endorsed to this directorate via e-mail every day including holidays/Saturdays and Sundays during the flood season.
5. The e-mail address and mobile numbers of all concerned organizations, beneficiaries and user agencies for all 340 FF (200 Level and 140 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 for sending to FFM Directorate for using the same to release 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.

6. The generation of Weekly bulletins is also automated with the WIMS. This requires feeding of hourly water level on realtime basis into the website. Hence the feeding of basic data is of utmost importance for the successful running of WIMS software.
7. The telemetry system should be made functional with reliability at all installed sites before the onset of monsoon as given in SoP for upkeep and maintenance of Telemetry Stations/Modelling Centers and Earth Stations circulated during 2018. Also, letter No. T-10501/18/2021-FFM dated 06/12/2024 has been issued to field offices wherein request was made to expedite the repair and rectification of non-functional/non-reporting telemetry stations. Ensuring the operational status of all telemetry stations is crucial for continuous and accurate data reporting. Calibration of Telemetry Equipment may be carried out on regular intervals.
8. Only telemetry data should be used. Manual data requires to be used only in cases of any failure of the telemetry system or telemetry providing erroneous data. The fortnightly return on the performance of telemetry data is to be continued throughout the year. Wherever mathematical models have been provided, they should also be used on a real-time basis with Telemetry data and the performance of the model must be highlighted in the Appraisal Report of the division.
9. 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. 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 the 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.
10. 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: fmdte@nic.in, fmcwc@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: 9999155395 (Director, FFM) , Facebook: @CWCOfficial.FF
Twitter: @CWCOfficial_FF, WhatsApp Group: FFM FF Group

11. 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 15th April 2025 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.
12. All organizations may arrange regional meetings with concerned State Authorities before the start of Flood Season 2025 under intimation to this office.
13. Flood Crisis Management Team headed by CWC field Chief Engineers may conduct meetings from time to time as per hydrometeorological situations arising in concerned jurisdictional area. Addresses of officers in FCMT team may be communicated to this office along with their e-mail and contact no. (office and mobile number that is in use and working) positively before 15th April 2025.
14. Data entry in WIMS may be done cautiously, especially when the water level is flowing in Above normal, Severe or Extreme flood situation so that no change is done once data is entered as this data is used in various flood bulletins issued to Ministries and other external organizations. Change in the data at latter stage will affect credibility of the organization and hence not entertained. Change done in worst cases may be with intimation to FFM directorate via email/WhatsApp in group 'FFM FF group'. Changes that are made without intimation will be brought to the notice of higher officers.
15. Flood Forecast may be strictly issued as per its fixed criteria. If not issued in worst cases, flood advisory may be given and matter may be intimated to concerned SE(HOC) and to FFM directorate via e-mail/ WhatsApp in group 'FFM FF Group'.
16. All SE(HOC), EE and at least one HM officer/staff or AD/AD-II/JE may be member of the WhatsApp group, 'FFM FF Group', from field units of CWC involved in flood forecast and management activities.

17. The mathematical models were prepared on "basin as a whole" basis by CWC HQ for various basins. In case, if any new station is to be added, the same can be taken up immediately with concerned modelling Directorates, namely FCA-1 and FCA-2, respectively, before start of ensuing flood season. As was done during year 2024, these models shall be run from HQ on real-time basis for advisories. This will be made online for the concerned field divisions to refer and use these model results for preparation of short-range forecasts, say 24 hours, for sharing with local beneficiaries.

This issues with Approval of Competent Authority in CWC.


(R. K. Singh)
Director (FFM)
25.03.24

Copy forwarded for favour of kind information to:

1. Sr. PPS to Chairman, CWC.
2. Sr. PPS to Member (River Management), CWC, New Delhi.
3. PPS to Chief Engineer, (Flood Management), CWC, New Delhi.
4. PPS to Chief Engineer (P&D), CWC, New Delhi.

Copy forwarded for favour 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. Basin-wise Daily Flood Situation Report cum Advisories for all basins under your jurisdiction may kindly be prepared daily and shared with all beneficiaries as well as to Headquarters with all floods related information and advisories for the next 5 days.

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, Gandhinagar
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.

Copy forwarded for favour 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 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. Sikkim 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 & CC, MSO, CWC, Bengaluru.
21. Cauvery & Southern Rivers Circle, CWC, Bengaluru.
22. Director, FCA-I & II, 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. Director (SMD) for uploading in CWC website.
24. Director (RDC-1) for information.
25. Director, RDC-2 Directorate, CWC, West Block -2, R K Puram, New Delhi for coordination with NWIC.
26. 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 1st May to 31st December 2025. 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 2024 to take up any problems immediately.