



No. T-37087/1/2019-FFM/ 37-108

Dated: 3rd March 2021

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/ Mahi Divn/TD/ND/ HD/Cauvery Divn/SRD/SWRD
Central Water Commission,
Jammu/ Shimla/ New Delhi/ Agra/ Jaipur/ Dehradun/ Lucknow/ Varanasi/ Patna/ Berhampur/ Asansol/ Dibrugarh/ Guwahati/ Jalpaiguri/ Shillong/ Aizwal/ Itanagar/ Silchar/ Gangtok/ Burla/ Bhubaneswar/ Nagpur/ Hyderabad/ Pune/ Gandhinagar/ Surat/ Bhopal/ Chennai/ Bengaluru/Coimbatore/Kochi

Subject: Preparedness for flood forecasting services for year 2021 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 22nd 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 activity at the earliest.

2. The monitoring of Data Entry/ Reception of Telemetry data and issue of Flood Forecasts issued 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.

3. The mathematical models were prepared for basin as a whole by Headquarters for various basins. In case if any new stations are to be added the same can be taken up at the earliest with concerned modelling directorates namely FCA-1 and FCA-2 respectively before start of ensuing flood season. As was done last year, these models will be run from Headquarters on real-time basis for advisories and will be made online for the concerned field divisions to refer

विंग-7
पश्चिमी खंड-2, राम कृष्ण पुरम
नई दिल्ली-110066-
दूरभाष-011-20867005, 29583829
ईमेल: fmdte@nic.in

जल संरक्षण- सुरक्षित भविष्य



Wing-7, Ground Floor,
West Block-2, RK Puram,
New Delhi-110066 -
Tele: 01120867005, 29583829
Email: fmdte@nic.in

Conserve Water – Save Live



and use these model results for preparation of short range forecasts say 24 hours for sharing with local beneficiaries.

4. Barak and Other Basin organisation (BOBO) will start issuing flood forecast for the first time from their concerned Divisions. Flood Forecast for all stations in Barak as well as forecast stations in Tripura will be done by a Division identified by BOBO. Handholding support for the same will be provided by Middle Brahmaputra Division (MBD), CWC Guwahati for the ensuing flood season and MBD will transfer all the correlation curves etc to the concerned identified Division in BOBO.

5. In order to facilitate the above activities, CWC will be using the upgraded data entry website of Water Management Information System (WIMS) namely <http://india-water.gov.in/WIMS> with additional features of 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.

6. The list of all the flood forecasting stations with State, District, Warning Level (WL), Danger Level (DL) in case of Level Forecast & H.F.L with DATE, (updated up to 2020 end) in case of Level Forecast and Flood Monitoring (Base) Stations and FRL, MWL and threshold limit in case of Inflow Forecast Stations shall also 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.

7. The e-mail address and mobile numbers of all concerned organisations, beneficiaries and user agencies for all 328 FF (198 Level and 130 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.

8. 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 3 hours in case of "Severe" and every hour in case of "Extreme" Flood Situation to all concerned.





9. The generation of Weekly bulletins also is being 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.
10. 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 for the list of stations already identified by concerned Divisions 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 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.
11. 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 as for appraising senior officers in various ministries in times of flood.
12. 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-110 606
Telephone: 011-20867005, 29583545, 29583666, 29583829
Fax: 011-20867005
e-mail: fmdte@nic.in, ffmcwc@gmail.com
Website: Data entry: <https://india-water.gov.in/wims>
FF Website: <https://ffs.india-water.gov.in>
AFF Website: <http://120.57.99.138>
Mobile: 9868232398 (Director)
Facebook: @CWCOfficial.FF
Twitter: @CWCOfficial_FF





13. The complete postal address, telephone/mobile / fax number, e-mail address of all CWC offices i.e. the Sub – Division, Division, Circle and Organisation along with names of the incumbents involved in flood forecasting activities may also be updated and sent to this office positively before 25th April 2021. Copy of the same shall be sent 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.

210242
03/03/2021
(Sharad Chandra)
Director (FFM)

A. 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.

B. 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.**

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 3 to 5 days.

There will also be preparedness Workshop through Video Conference (VC) during the last week of April 2021 for IBO, T&BDBO, BOBO & BBO and for other organisations during end of May 2021. The Chief Engineers of the respective organisation shall attend these VC as per schedule and ensure that all preparedness activities including stakeholder consultations are completed before VC:

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.

विंग-7
पश्चिमी खंड-2, राम कृष्ण पुरम
नई दिल्ली 110066-
दूरभाष-011-20867005, 29583829
ईमेल: fmdte@nic.in

जल संरक्षण- सुरक्षित भविष्य



Wing-7, Ground Floor,
West Block-2, RK Puram,
New Delhi 110066 -
Tele: 01120867005, 29583829
Email : fmdte@nic.in

Conserve Water – Save Live



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 & Tapi Basin, 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.

C. 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 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 1st May to 31st December 2021. 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 2020 for taking up any immediately problems.

210 244
03/03/2021
(Sharad Chandra)
Director (FFM)

