

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.370111/2020/FFM/

Dated: /11/2024

To  
The Executive Engineer,  
Field Division Offices (As per list enclosed)

**Subject: Preparation of appraisal report at the end of Flood Season-2024 - regarding.**

The flood season 2024 has ended on 31st October 2024 except for basins south of Krishna where flood season will end on 31st December 2024. As done every year, the final Appraisal Report may be sent positively by 31st January 2025 for the divisions whose flood season ceased on 31st October 2024 and by 29th February 2025 for the divisions whose flood season ends on 31st December 2024. The Flood Appraisal reports may be sent after the approval of concerned Chief Engineer.

The Flood Forecasting Appraisal Report shall contain the important information viz. station-wise number of flood forecasts issued during flood season 2024, peak levels attained and the periods above normal, severe and extreme flood situations for all flood forecasting stations, the number of forecasts within permissible limits & the performance accuracy of forecasts and reasons for inaccurate forecasts etc.

The salient content of the Appraisal report may also include:

1. A basin map (GIS based) indicating the jurisdiction of separate divisions, the rivers and all real-time existing/proposed stations (both wireless and telemetry). The shape files of such maps may also be sent in soft copy to this Directorate for further use in reports prepared by this Directorate.
2. A line diagram showing the flow of the river from origin to terminal point (even if the terminal point is under the jurisdiction of another division or circle or organization). This line diagram may also indicate the approximate distances from the origin, the distance from confluence of tributary to the nearest station and the catchment area of the stations. Major water resources projects along with their important salient features should also be included. The approximate travel time from base station to forecasting station may also be tabulated from each of the base station to forecasting station.
3. List of all real-time wireless/telemetry stations used for formulation of flood forecast.
4. List of already installed Telemetry stations along with station identification number as well as their status of data reception and usage in flood

forecasting. Sample graphical comparison of telemetry data with manually observed data should be included in the report. Status of Installation and data reception of new telemetry stations shall also be included.

5. Status of use of mathematical models like Mike-11 for Basin-wise models along with its performance with reference to gauge to gauge correlation models must be incorporated in the report. Sample comparison of 7-day advisories and the actual levels attained shall also be included. Accuracy of forecast should be assessed for different lead times separately.
6. Correlation diagrams used for formulation of forecast and a brief write up on formulation of forecast for all forecast stations.
7. The Stage vs. Discharge curve for all Stations (Base as well as Forecast) where formulation of forecast is based on rating curve shall also be appended in the report.
8. List of User Agencies along with their mobile numbers and e-mail addresses.
9. Salient Features of Flood Forecasting Stations, Forecast station their Base station and travel time from the Base station.
10. Maximum Flood level attained during 2024 at all FF Stations along with time and date even if the maximum level is below warning level. No. of Forecast issued for each of the stations as well as forecasts which were within limit, the percentage of accuracy and the reason for forecast going out of the permissible limit.
11. Number of base/ flood monitoring stations where previous HFLs have been exceeded along with levels and all relevant information.
12. Periods during which the stage was in Extreme (at or above HFL) Severe (at or above Danger Level) and Above Normal Flood (at or above Warning Level) Situation for all flood forecasting stations.
13. Rainfall (above 50mm) which was responsible for the above flood event wave wise.
14. Information regarding the weather situation and QPF received from IMD in Tabular form during the flood days when levels have gone above Warning Level.
15. Table on date (Historical) of start of flood forecasting at each site.
16. If any new FF site added during monsoon 2024, or Warning/ Danger level revised for any sites, or FF criteria revised for any site all may be reflected in flood appraisal report.
17. Photographs of Extreme/Severe or significant Flood events.
18. CAP alerts issued for level forecasting sites. Station wise summary of total forecast issued and No. of CAP alerts issued. Reasons for not issuing CAP alerts.
19. Comments/Suggestions from User Agencies.
20. Constraints faced.

Special Note along with photographs on Tripura/Assam/Bihar/Uttar Pradesh/Gujarat/Andra Pradesh/Sikkim/Manipur floods happened during monsoon 2024 and the actions taken during and aftermath of floods with damage reports from concerned State Governments may also be sent immediately to answer any questions during the forthcoming Winter Session of Parliament immediately.

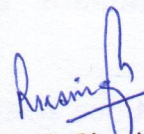
The statements for 9 to 12 above can be prepared in the usual proforma/ formats being used every year. The same may be sent immediately on



finalization positively before 31st December 2024 by e-mail to fmdte@nic.in, ffmccwc@gmail.com in respect of divisions whose flood season has ended on 31st October 2024. Those divisions whose flood season will end by 31st December 2024 may send these information's by 31st January 2024. The same finalized figures should be incorporated in the final appraisal report also. A soft copy of the appraisal report preferably in PDF format shall also be sent by e-mail to fmdte@nic.in as well as to ffmccwc@gmail.com for use in this Directorate.

Last year few divisions submitted appraisal report very late / not submitted, hence it is requested to submit report on time.

This issues with approval of competent authority.

  
(R. K. Singh)  
Director  
28.11.2024

Copy for kind information to:

1. Sr. PPS to Chairman, CWC
2. PPS to Member (River Management), CWC, New Delhi.
3. Chief Engineer, (Flood Management), CWC, New Delhi.
4. Chief Engineer (Planning and Development), CWC, New Delhi.
5. Chief Engineer, Monitoring (South) Organisation, CWC, Bengaluru.
6. Chief Engineer, Narmada Basin Organisation, CWC, Bhopal.
7. Chief Engineer, Mahanadi & Eastern Rivers Organisation, CWC, Bhubaneswar.
8. Chief Engineer, Indus Basin, CWC, Chandigarh.
9. Chief Engineer, Cauvery & Southern Rivers Organisation, CWC, Coimbatore.
10. Chief Engineer, Mahi & Tapi Basin Organisation, CWC, Gandhinagar.
11. Chief Engineer, Brahmaputra Basin Organisation, CWC, Guwahati.
12. Chief Engineer, Krishna & Godavari Basin Organisation, CWC, Hyderabad.
13. Chief Engineer, Teesta Basin Organisation, CWC, Kolkata.
14. Chief Engineer, Upper Ganga Basin Organisation, CWC, Lucknow.
15. Chief Engineer, Monitoring (Central) Organisation, CWC, Nagpur.
16. Chief Engineer, Yamuna Basin, CWC, New Delhi.
17. Chief Engineer, Lower Ganga Basin Organisation, CWC, Patna.
18. Chief Engineer, Brahmaputra & Barak Basin Organisation, CWC, Shillong.

Copy forwarded for favor of information and necessary action to the Superintending Engineer of the following circles with a request that the field Divisions under their control may please be instructed to ensure timely completion of Appraisal reports.

1. HOC&C, CWC, Bengaluru.
2. Cauvery & Southern Rivers Circle, CWC, Bengaluru.
3. Coordination, CWC, Bhopal.



4. Hydrological Observation Circle, CWC, Bhubaneshwar.
5. Sikkim Investigation Circle, CWC, Gangtok.
6. Hydrological Observation Circle, CWC, Gandhinagar.
7. Hydrological Observation Circle, CWC, Ghaziabad.
8. Godavari Circle, CWC, Hyderabad.
9. Krishna and Coordination Circle, CWC, Hyderabad.
10. Hydrological Observation Circle, CWC, Guwahati.
11. Director (Monitoring), CWC, Jammu.
12. Director (M&A), Lucknow.
13. Coordination, CWC, Nagpur.
14. Director (M&A), CWC, Patna.
15. Meghna Circle, CWC, Silchar.
16. Hydrological Observation Circle, CWC, Maithon.
17. Hydrological Observation Circle, CWC, Dehradun.
18. Hydrological Observation Circle, CWC, Varanasi.
19. Director (FCA-1 and FCA-2) to provide write up on various 7-day advisory models and its performance during the monsoon 2024 for inclusion in the National level appraisal report along with any significant graph. Accuracy of forecast may be assessed for different lead times separately.
20. Director (RMCD), CWC, New Delhi
21. Director (SMD), CWC for uploading in circular page of CWC website.

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दूरभाष- 011-26106523, 26105274, 26182836  
ईमेल : fmdte@nic.in  
जल संरक्षण – सुरक्षित भविष्य



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Tele 01126106523, 26105274, 26182836  
Email : fmdte@nic.in  
Conserve Water – Save Live

#### List of Field Division Offices

Sl. No	Division Name	Email address
1	LKD, Hyderabad	lkd_cwc_hyd@yahoo.co.in, eelkd2010@yahoo.in
2	LGD, Hyderabad	eelgd1-cwc@gov.in eelgd@yahoo.com

3	HD Chennai	eecwcchennai@yahoo.co.in
4	SWRD Kochi	ee.kochi-cwc@gov.in, eeswrd@yahoo.com
5	UGD Hyderabad	eeugdhyd.cwc@gov.in
6	SRD Coimbatore	ee-srd-cwc@gov.in
7	Cauvery Division, Bangalore	eeed.bng-cwc@gov.in, eecdwcbllore@rediffmail.com
8	LGD 1, patna	mgd4cwcpat@gmail.com
9	LGD 2, Patna	mgd5cwcpatna@gmail.com
10	LGD 3, Berhampore	eelgd3-cwc@nic.in, lgdcwc@gmail.com
11	TD, Surat	ee.tapi-cwc@gov.in
12	MD, Gandhinagar	eemdgnr-cwc@gov.in
13	UYD, New delhi	uydybo.cwc@gmail.com uydybo-cwc@nic.in, uydcwc.flood@gmail.com
14	LYD Agra	eelyd-cwc@nic.in
15	Chenab Division, Jammu	exenjammu@gmail.com
16	Narmada division, Bhopal	ee_ndb@yahoo.co.in eendb-cwc@nic.in
17	Wainganaga Division, Nagpur	eewd.ngp-cwc@gov.in
18	UKD, Pune	eeukdcwc@mah.nic.in
19	Chambal division, Jaipur	eechambal-cwc@nic.in
20	MGD 1, Lucknow	eemgd1-cwc@gov.in, mgdlko2005@yahoo.co.in
21	MGD2, Lucknow	<a href="mailto:eeemgd2-cwc@gov.in">eeemgd2-cwc@gov.in</a> , <a href="mailto:eeemgd2lko@yahoo.co.in">eeemgd2lko@yahoo.co.in</a>
22	MGD 3, Varanasi	eemgd3-cwc@gov.in
23	HGD Dehradun	eehgd-cwc@gov.in
24	ERD, Bhubaneshwar	ubd-cwc-asm@nic.in eeerdwcw.od@gov.in
25	UBD, Dibrugarh	ubddbrcwc@gmail.com
26	MBD, Guwahati	ee.mbd.cwc-as@gov.in
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28	MID, Shillong	midcwc-meg@nic.in, midcwc@gmail.com
29	Mahanadi division, Burla	eemdburla-cwc@gov.in
30	SID, Gangtok	eesid-cwc@gov.in
31	MD, Silchar	eemd_cwc2008@rediffmail.com
32	DD, Asansol	eecwcasansol@gmail.com, eedd-cwc@nic.in