



F.2 (E)/2023-NDMA (MW/Flood Advisory-I)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD



Dated: 5 July 2023
Time: 2000 hours

Subject: **Very High to Exceptionally High Flows Forecasted in Eastern Rivers from 8 – 10 July 2023**

In light of the forecast based on convergence of a deep trough of westerly wave, strong incursion of monsoon currents and approaching upper air circulation (details covered in Pakistan Meteorological Department Alert-1 attached as **Annex A**), widespread **Heavy to Very Heavy rainfall** with **Extremely Heavy falls** at scattered areas is predicted over upper catchments of **Rivers Sutlej, Ravi, Chenab** and (partially) **Jhelum** between **8 - 10 July 2023**.

2. Given the severity of the forecasted weather system, following impacts are expected: -
 - a. **Very High to Exceptionally High Flooding** in **River Chenab**.
 - b. **High to Very High Flooding** in **nullahs of River Ravi** and **River Chenab**.
 - c. Flood situation in River Ravi and River Sutlej will remain dependent on release from Indian side.

3. Apropos, all PDMAs/ GBDMA/ SDMA and ICT Administration, PMD / FFD, FFC, NHA, NH&MP, FWO, Rescue 1122, Line Departments, Ministries and Federal Agencies are required to undertake measures as per respective mandates. However, following is to be ensured by all concerned in addition to measures deemed appropriate as per on ground situation / emergency requirements: -
 - a. **PMD / FFD**
 - (1) During the forecasted period share 6-hourly weather forecasts to enable timely decision-making and coordinating response.
 - (2) Share 3-hourly updates on river/ nullah flows and reservoir levels to facilitate coordinated water management/ regulation.

 - b. **FFC**
 - (1) Ensure implementation of elaborate coordination mechanism for preparedness and mitigation through management/ regulation of water reservoirs/ barrages/ headworks and irrigation canals.
 - (2) The measures must ensure desynchronised releases from all reservoirs/ regulating structures to preclude cumulative flooding in any regions.

- (3) Plan immediate discharges from regulating structures to build capacity for likely heightened/ increased flows.
- c. **PID**. Take all necessary measures to manage water flow and mitigate flood risks, through following: -
- (1) Implementing effective regulation strategies at headworks/ barrages to optimize the discharge of excess water through irrigation channels.
 - (2) Conduct proactive monitoring / maintenance / repairs of canal systems to enhance their capacity to handle increased flows.
- d. **PDMAs / SDMAs / GBDMA / ICT Administration**
- (1) Conduct extensive public awareness campaigns through multiple channels, including TV / broadcast / social / print media etc., to ensure that vulnerable communities are well-informed about the anticipated flood situation and necessary precautions.
 - (2) Preposition required machinery, equipment, emergency supplies and personnel in high-risk areas, considering the forecasted severity of flooding.
 - (3) Establish and communicate clear evacuation sites and evacuation routes to affected communities, ensuring they are adequately equipped with essential facilities / resources.
 - (4) Maintain sufficient stocks of essential supplies, including food, clean water, medical provisions, and sanitation supplies in case of emergency.
 - (5) Strategically position flood fighting equipment in areas prone to flooding, ensuring their availability for immediate deployment.
- e. **DM Responders (Local Administrations / Rescue 1122 / LEAs / Line Departments / Armed Forces)**
- (1) Ensure availability / functionality of all essential flood response equipment in flood-prone areas.
 - (2) Ensure full staffing / availability of trained emergency response personnel and designate their duties / areas of deployment in case of emergency.
 - (3) Conduct thorough reconnaissance of vulnerable locations, identifying critical infrastructure / communities that may require additional support and protection.
 - (4) Inform and sensitize residents of low-lying areas / at-risk communities of anticipated flood conditions, potential impacts, evacuation procedures and precautionary measures.

- (5) Establish temporary shelters in safe locations for displaced individuals and ensure these are equipped with necessary supplies (food, clean drinking water, medical supplies and sanitation facilities).
 - (6) Ensure the availability of trained medical staff and ambulances in strategic locations to provide immediate medical assistance to those affected by floods.
 - (7) Ensure availability of search and rescue teams in critical areas.
- f. **NHA / FWO and Pak Railways**. Continuously monitor the situation and implement all necessary safety measures to ensure the functionality of communication arteries (roads / railway lines / bridges).
- g. **NH&MP**
- (1) Timely inform travellers / tourists regarding anticipated weather / flood conditions, potential hazards, precautionary measures and recommended alternative routes to regulate their travel and ensuring safety.
 - (2) Provide necessary assistance and support to travellers / tourists affected by flood situation, including facilitating evacuations if required.
 - (3) Coordinate with Law Enforcement Agencies to manage and redirect traffic in affected areas to prevent congestion and facilitate emergency response efforts.
- h. Proactively maintain nullahs/stormwater drains to ensure their proper functioning and prevent blockages that may exacerbate flooding.
- i. Ensure immediate stocking of basic commodities, including paramedics and medicine, especially in regions that are likely to get cut-off during flooding.
- j. Activate early warning systems in flash flood-prone areas to promptly alert residents and facilitate their evacuation to safer locations.
- k. Strengthen coordination among all relevant departments and agencies to facilitate the timely sharing of information and resources during emergency situations.
- l. Establish reliable communication channels with local communities to provide timely updates, instructions, and emergency contact information during monsoon season.
- m. Ensure widespread circulation of alerts and advisories, especially in local languages, to raise awareness and sensitize travellers / tourists and local communities in at-risk/vulnerable areas.
- n. Ensure round-the-clock monitoring of the situation through EOCs with regular feedback to PEOCs and NEOC.

- o. Share regular / frequent updates with NDMA in case of any eventuality.
4. **Press Information Department Only.** With the request to ensure wider circulation and public awareness.
5. Forwarded for information / necessary action, please.



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PMD Alert-1



Government of Pakistan
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Warning/Alert, No. A-01/2023

Alert-1 (08th to 10th July):

According to latest meteorological analysis, deep trough of westerly wave along with strong incursion of monsoon currents from both sources and approaching upper air circulation, widespread **Heavy to Very Heavy** rainfall with **Extremely Heavy** falls at scattered places is expected over the upper catchments of Rivers **Sutlej, Ravi & Chenab** and up to some extent over River **Jhelum**. Due to these meteorological conditions, **Very High to Exceptionally High** level flooding is expected in River **Chenab**. Flood situation in Rivers Ravi and Sutlej will depend upon releases from India. **High to very High** level Flooding is also expected in the **Nullah's of Rivers Ravi and Chenab**.

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