

**MOST IMMEDIATE / BY FAX**



F.2 (E)/2022-NDMA (MW/Flood Advisory-II)  
**Government of Pakistan**  
**Prime Minister's Office**  
**National Disaster Management Authority**  
**ISLAMABAD**



Date: **11 August 2022**  
Time: **1200 hrs**

Subject: **RIVERS SITUATION AND QUALITATIVE FLOOD/ WEATHER FORECAST**

Reference:

- A. NDMA letter No. F.2 (E)/2022- (MW/Weather Advisory) dated 05 Aug 2022.
- B. NDMA letter No. F.2 (E)/2022- (MW/Weather Advisory-I) dated 08 Aug 2022.

Flood Forecasting Division (FFD) Bulletins No A-058/22 and C-058/22 dated 11th August 2022 are enclosed for your information.

2 All concerned Federal Ministries / Departments, respective Provincial Governments and their line departments including PIDs / PDMA's / GBDMA / SDMA, ICT/ District Administrations / DDMA's, Municipal / City Administrations are advised to ensure following: -

- a. Ensure Repair/ restoration of embankments/ protection bunds/ walls and canals damaged during previous spells.
- b. Reinforce weakened bridges/ structures.
- c. Ensure active deployment of C&W and line departments/ NHA/ FWO and Traffic Police at vulnerable points of arteries.
- d. Identification of vulnerable / choke points / at-risk communities based on recent patterns of rainfall and devise mitigation measures.
- e. Maintain enhanced alert level / monitoring of developing situation to reduce reaction / response times.
- f. All civic agencies / rescue services (Rescue 1122 / Fire Brigade / Ambulance / Civil Defence) to remain alert and ensure availability of personnel and equipment during the forecasted period, especially in at-risk urban areas.
- g. Restrict vehicle movement in areas / nullahs prone to flash floods, low lying areas and close to water channels.
- h. Provision of POL for back-up generators at water pumping stations and timely pre-placement of de-watering equipment to respond to urban flooding.
- i. People living along the banks of Rivers Jhelum, Chenab and Ravi to be sensitized about expected increase of water flows.
- j. Timely evacuation of at-risk population from low-lying / flood prone areas as per Evacuation Plans and availability of shelter, food and medicines in those shelter camps.
- k. DISCOs and relevant Local Administration / Departments to ensure that necessary arrangements are undertaken to avoid electrocution incidents and timely restoration of power supply.
- l. Mass awareness campaign for general public on urban / flash / riverine flooding and associated risks in vulnerable areas on following aspects: -
  - (1) Avoid unnecessary movement in such areas.
  - (2) Evacuation plan of at-risk communities and its timely evacuation.
  - (3) Risk and consequent danger of submerging of vehicles in such inundated low-lying areas.
  - (4) Alerting masses living in low-lying areas to exercise extra caution including community-

based alert system.

- (5) Risk of electrocution during heavy rain fall / urban flooding in major metropolises.
- m. Provision of relief / medical supplies to affectees in timely manner.
- n. LEAs along with Traffic police to advise travelers regarding likely situations / dangers of waterlogged areas and underpasses.
- o. Coordinate with concerned departments for clearance of roads in case of any landslides / blockage / obstruction, waterlogging and pre-placing of necessary emergency equipment at vulnerable / appropriate locations.
- p. Travelers and Tourists are forewarned about risks posed at landslide / flash flood vulnerable locations and may be diverted to safe lay-by / waiting areas with sufficient supply of water / food and essential medicines in case of adverse / dangerous road conditions by Police, NH&MP and Local Administrations.
- q. In case of any eventuality, special SITREP / update be shared immediately with NDMA.



**(Muhammad Ali Khan)**  
**Director (Response)**

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- To: Federal Ministries & Departments (Interior, National Health Services, Information & Broadcasting, Climate Change, Communications, Energy & Water Resources)  
Chief Secretaries, Provincial Governments  
Secretary (Home), Provincial Governments  
Director Generals, PDMAs  
Chief Commissioner ICT  
Deputy Commissioner ICT  
Director Generals, Rescue 1122 (Balochistan, KP, Punjab, Sindh, GB & AJ&K)  
General Manager, National Highways Authority (NHA), Islamabad  
Principal Information Officer, Press Information Department, Islamabad  
Headquarters, Frontier Works Organization (FWO), Rawalpindi  
Hub Dam Authorities  
National Transmission & Dispatch Company (NTDC) Islamabad  
Headquarters, National Highways & Motorway Police, Islamabad
- Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad  
Secretary, Cabinet Division, Islamabad  
Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt  
Director Generals, SDMA &GBDMA  
Military Operations Directorate (MO-4), General Headquarters, Rawalpindi Cantt  
ACNS (Operations), Naval Headquarters, Islamabad  
ACAS (Operations), Air Headquarters, Islamabad  
Headquarters, Pakistan Maritime Security Agency, Karachi  
Headquarters, Pakistan Coast Guards, Karachi
- ID: PRO, NDMA  
Deputy Director ICT, NDMA

**GOVERNMENT OF PAKISTAN  
PAKISTAN METEOROLOGICAL DEPARTMENT  
FLOOD FORECASTING DIVISION  
46-JAIL ROAD LAHORE-54000**

BULLETIN No. A-058/22

Dated: 11<sup>th</sup> August, 2022  
Time: - 10:35 hours (PST)

1. President Secretariat, Islamabad.
2. PM House, Islamabad.
3. Federal Minister for Water Resources, Islamabad.
4. Governor (All Provinces).
5. Chairman NDMA, Islamabad.
6. Chief Minister (All Provinces).
7. PM Secretariat, Islamabad.
8. Secretary, Aviation Division, Islamabad.
9. Secretary, Ministry for Water Resources, Islamabad.
10. Secretary, Ministry of Information, Islamabad.
11. Chairman NHA, Islamabad.
12. Chief Secretary (All Provinces).
13. PDMA'S (D.G'S, All Provinces & AJK).
14. Chairman, Federal Flood Commission, Islamabad.
15. Chairman, Indus River System Authority, Islamabad.
16. Chairman, PCRWR, Islamabad.
17. The Secretary General, Red Crescent, Islamabad.
18. Secretary, Irrigation Department, (All Provinces).
19. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.
20. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
21. Chief Engineer, Mangla/Tarbel/Chashma.
22. Chief Engineer, Irrigation (All Provinces).
23. Chief Engineer, (All Barrages).
24. Chief Engineer, C.D.O. (Muzaffarabad).
25. Commissioner for Indus Waters, Lahore.
26. All other concerned.

**SUBJECT: RIVERS SITUATION AND QUALITATIVE FLOOD/WEATHER FORECAST**

**I: HYDROLOGICAL SITUATION:**

River Indus at Chashma and Kotri is in Low Flood Level.

- (Alert-1)** Medium to High Level Flooding is expected in River Chenab at Marala & Khanki during next 24-hours and at Qadirabad after 24-hours. Medium to High Level Flooding is also expected in the Nullahs of Rivers Ravi & Chenab during next 48-hours.
- (Alert-2)** Flash flooding is expected in the Rivers/Nullahs of Kohat, Bannu & D.I.Khan Divisions along with District Mianwali during 11<sup>th</sup> to 12<sup>th</sup> August, 2022. Urban Flooding is expected in Sindh and Flash Flooding is expected in Rivers/Nullahs of Balochistan & Hill Torrents of DG Khan Division from 11<sup>th</sup> to 14<sup>th</sup> August 2022.

**II: METEOROLOGICAL FEATURES:**

- a) Yesterday's trough of westerly wave over Northeast Afghanistan and adjoining areas still continues to persist.
- b) Yesterday's **WELL MARKED MONSOON LOW** over Chattisgarh and adjoining East Madhya Pradesh today lies over Central Parts of Madhya Pradesh. Another **WELL MARKED LOW-PRESSURE** area lies over Northeast Arabian Sea and adjoining areas.
- c) Seasonal low lies over Northwest Balochistan.
- d) Moderate to Strong Moist currents from Bay of Bengal are penetrating Upper parts of the country up to 7000 feet. Strong moist currents from Arabian sea & Bay of Bengal are penetrating Sindh and East Balochistan up to 7000 feet.

**III: WEATHER FORECAST FOR NEXT 24-HOURS:**

- (Alert)** Scattered to widespread thunderstorm/rain of moderate to heavy intensity with isolated very heavy falls is expected over Sindh, Eastern Balochistan along with Kohat, Bannu, DI Khan & DGKhan Divisions. Scattered thunderstorm/rain is expected over the Upper catchments of all the Major Rivers along with Peshawar, Islamabad and Rawalpindi, Gujranwala, Multan & Sargodha Divisions. Isolated thunderstorm/rain is expected over the rest of country.

**IV: WEATHER OUTLOOK:**

- (Alert)** **INTENSE MONSOON ACTIVITY** is likely continue over Sindh, Balochistan along with Kohat, Bannu, DI Khan, DGKhan & Multan Divisions from 12<sup>th</sup> to 14<sup>th</sup> August 2022. Scattered thunderstorm/rain of moderate intensity is expected over rest of the country from 12<sup>th</sup> to 14<sup>th</sup> August 2022.

**V: RIVERS CATCHMENTS RAINFALL RECORDED (MM) DURING LAST 24 HRS (UPTO 0800 PST):**

Indus:	Padidan=142, Tando Jam=62, Badin=46, Mithi=28, Tharparker [Diplo=23, Nagarparker & Chachro=08(each), Islamkot=05, Kaloi=04, Daheli=03], Hyderabad=15, Thatta=12, Jacobabad=10, Mirpur Khas=07, Murree=03, Shaheed Benazirabad, Chhor & Khanpur=02(each), Sakrand=01, DGKhan(Fort Munro), Dadu & Skardu=Trace(each).
Jhelum:	Rawalakot & Kotli=01(each), Mandibahuddin & Tandali=Trace(each).
Chenab:	Marala=01, Sialkot (Airport)=Trace.
Ravi:	Shakar Garh=03, Zafarwal=Trace.
Sutlej:	-Nil-
Others	Karachi [Faisal Base=52, Quaidabad=45, Korangi=39, Jinnah Terminal & Airport=36(each), Gadap Town=35, Dha=34, Saddar & Saadi Town=33(each), Surjani Town=29, University Road=28, Kemari=26, Nazimabad=24, North Karachi=23, Ghulshan e Haded =22, Orengi=20, Gulshan e Myrmar=19, Masroor=13], Quetta (Samungli & Shealkh Manda)=Trace(each).

**(IKRAM UD DIN)  
DIRECTOR  
For Chief Meteorologist**

**GOVERNMENT OF PAKISTAN**  
**PAKISTAN METEOROLOGICAL DEPARTMENT**  
**FLOOD FORECASTING DIVISION**  
**46-JAIL ROAD LAHORE-54000**

BULLETIN No. C-058/22

Dated: 11<sup>th</sup> August, 2022  
Time: 10:35 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR  
RIVERS CATCHMENTS (12<sup>th</sup> August, 2022 to 18<sup>th</sup> August, 2022)**

**ALERT**

➤ **RAINFALL OUTLOOK:**

Scattered Rainfall of moderate intensity with Isolated heavy falls is likely over the upper catchments of all the Major Rivers. Widespread Rainfall of heavy to very heavy intensity is expected over Suleman Range along with Sindh & Balochistan from 11<sup>th</sup> to 14<sup>th</sup> August 2022.

Widespread thunderstorm/rain with heavy to very heavy falls at scattered places is expected over the Upper catchments of Rivers Kabul, Indus & Jhelum during 15<sup>th</sup> to 16<sup>th</sup> August, 2022.

A fresh Monsoon activity is likely to start over Sindh and Balochistan from 16<sup>th</sup> August, 2022.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Urban Flooding is expected in Sindh and Flash Flooding is expected in Rivers/Nullahs of Balochistan & Hill Torrents of DG Khan Division from 12<sup>th</sup> to 14<sup>th</sup> August 2022.

Flows are likely to increase significantly in Rivers Kabul, Indus & Jhelum along with their tributaries during 15<sup>th</sup> to 17<sup>th</sup> August, 2022

**Note:** This forecast is updated on daily basis.

**(IKRAM UD DIN)**  
**DIRECTOR**  
For Chief Meteorologist