

MOST IMMEDIATE / BY FAX



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



Date: **20 August 2022**
Time: **1110 hrs**

Subject: **FLOOD ADVISORY – HILL TORRENTS / FLASH FLOODING / URBAN FLOODING (21-27 AUGUST 2022)**

Reference: *FFD Bulletin No. A-067/22 & C-067/22 dated 20 August 2022.*

Flood Forecasting Division (FFD) has forecasted that **Moderate Flash Flooding** is expected in the Rivers / Nullahs of Eastern Balochistan during next 24 hours and heavy after 24 hours. **Medium to High Level Flooding** is expected in Rivers Kabul at Nowshera & Tributaries of Rivers Kabul & Indus from 20-22 August 2022. Low to Medium Level Flooding is likely in the **Hill Torrents of Dera Ghazi Khan Division during next 24 hours, while High Level and Above Flooding after 24 hours**; *Flood Forecasting Division Bulletin No A-067/22 & C-067/22 dated 17 August (1110 hours) attached as **Annex-A**.* All concerned Federal Ministries/ Departments, All PDMAs/ Provincial Irrigation Department and Respective District Administration(s) / DDMA(s), Municipal / City Administration(s) are advised to ensure following: -

- a. In the light of identification of vulnerable areas, forewarn at-risk communities.
- b. Maintain enhanced alert level / monitoring of developing situation to reduce reaction / response times.
- c. Pre-placing the rescue teams and equipment for rapid deployment in vulnerable areas.
- d. People living along the areas of hill torrents and the banks of River Indus be sensitized about expected increase of water flows.
- e. 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.
- f. Locals / farmers / cattle herders be forewarned to shift cattle away from areas of Hill Torrents.
- g. Restrict vehicle movement in areas likely to be affected by Hill Torrents.
- h. In case of any eventuality, special SITREP / update be shared immediately with NDMA.

2. **Flood Forecasting Division Only.** Please share regular updates on water flows from Rivers Indus, Kabul every 3 hours with NDMA.

3. **Press Information Department Only.** With the request for wider circulation and public awareness.
4. Forwarded for information / necessary action, please.



(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)
Chairman, National Highway Authority (NHA), Islamabad
Inspector General, National Highways & Motorway Police, Islamabad
Chief Meteorologist, Flood Forecasting Division, Lahore
Chief Secretaries, Provincial Governments
Secretaries (Home), Provincial Governments
Secretaries, Provincial Irrigation Departments
Director Generals, All PDMAs
Director Generals, Rescue 1122, Provincial Governments
Commissioner, Dera Ghazi Khan Division
Deputy Commissioner, District Dera Ghazi Khan
Principal Information Officer, Press Information Department, Islamabad
Headquarters, Frontier Works Organization (FWO), Rawalpindi
National Transmission & Despatch Company (NTDC) Islamabad
- Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad
Secretary, Cabinet Division, Islamabad
Chairman, Federal Flood Commission (FFC), Islamabad
Director General, Pakistan Meteorological Department (PMD), Islamabad
Commissioner, Pakistan Commission for Indus Waters, Islamabad
Joint Crises Management Cell, Joint Staff Headquarters, Chaklala
Military Operations Directorate (MO-4), General Headquarters, Rawalpindi
Army Flood Control Centre, Engineers Directorate, General Headquarters, Rawalpindi
ACNS (Operations), Naval Headquarters, Islamabad
ACAS (Operations), Air Headquarters, Islamabad
- ID: PRO, NDMA
Deputy Director ICT, NDMA



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



BULLETIN No. A-067/22

Dated: 20th August, 2022
Time: - 11:10 hours (PST)

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| <ol style="list-style-type: none"> 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). | <ol style="list-style-type: none"> 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/Tarbela/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. |
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SUBJECT: RIVERS SITUATION AND QUALITATIVE FLOOD/WEATHER FORECAST

I: HYDROLOGICAL SITUATION (AT 0600 PST):

River Indus at Taunsa, Guddu & Sukkur is in medium flood level. River Indus at Kalabagh, Chashma, Kotri and River Kabul at Nowshera are in low flood level.

- Moderate Flash Flooding is expected in the Rivers/Nullahs of Eastern Balochistan during next 24 hours and heavy after 24 hours.
- Medium to High Level Flooding is expected in Rivers Kabul at Nowshera & Tributaries of Rivers Kabul & Indus from 20th to 22nd August 2022.
- Low to Medium Level Flooding is likely in the Hill Torrents of DG Khan Division during next 24 hours, while **HIGH LEVEL and ABOVE flooding after 24 hours.**

(ALERT): Flows from Hill Torrents of DG Khan Division may rise Taunsa flows up to High to very High flood level after 24 hours.
(Warning) RIVER INDUS MAY ATTAIN HIGH FLOOD LEVEL AT GUDDU on 21st and at SUKKUR on 22nd August, 2022.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's low-pressure area over Southeast Sindh today lies around Jacobabad.
- b) Yesterday's trough of westerly wave over Northern parts of the country persists.
- c) Yesterday's well Marked Low Pressure area has intensified into "DEEP DEPRESSION" and today lies over North Orissa.
- d) Seasonal low lies over Northwest Balochistan.
- e) Moderate Moist currents from Arabian Sea are penetrating Sindh, Balochistan & Southern Punjab up to 7000 feet.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered to Widespread thunderstorm/rain with heavy falls at isolated places and very heavy falls at one or two places is expected over Central & Upper Sindh, Eastern Balochistan, Islamabad along with upper catchments of Rivers Kabul & Indus and Peshawar, Rawalpindi, Bahawalpur, Multan & DG Khan Divisions. Scattered thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of Rivers Jhelum, Chenab & Ravi along with Kohat, Bannu, DI Khan, Gujranwala & Sargodha Divisions. Isolated thunderstorm/rain of light to moderate intensity is expected over rest of the country.

IV: WEATHER OUTLOOK:

Current wet spell is likely to continue over the country.

(ALERT): HEAVY rainfall activity is likely over the upper catchments of Rivers **KABUL & INDUS** along with their **TRIBUTARIES and over the catchments of Hill Torrents of D.G. Khan Division** from **20th to 22nd August 2022.**

(ALERT): A Fresh Strong Monsoon activity is likely to start over Sindh, Balochistan & South Punjab from 23rd to 26th August, 2022.

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

Indus:	Padidan=240 , Moin-Jo-Daro=86, Larkana=81, Shaheed Benazirabad=65, Jacobabad=64, Rohri=63, Sukkur=49, Khairpur=40, Dadu=35, DG Khan (Fort Munro=21, Airport=03, Marri=01 & Zain Sanghar=Trace), Sakrand & Mirkhani=20 (each), Tando Jam=14, Bhandu Wala=13, Hyderabad & Barkhan=06 (each), Mirpur Khas=04, Khanpur & Drosh=02 (each), Gupis=01, Rahim Yar Khan, Thatta, Chitral, Nowshera & Dhok Pathan=Trace (each).
Jhelum:	Kotli=06, Chakwal=03 & Dhulli=01.
Chenab:	Multan (Airport, City) & Barnala=Trace.
Ravi:	-Nil-
Sutlej:	Bahawalpur (Airport=Trace).
Others	Lasbela & Dalbandin=15 (each), Sibbi=07, Chaman=05, Khuzdar=04, Quetta (Samungli=04 & Sheikh Manda=02), Karachi [Gulshan e Hadeed=03, Orangi Town=01, Airport, Faisal Base, University Road & North Karachi=Trace (each)], Kalat=03, Loralai=02, Ziarat & Panjgur=01 (each) & Muslim Bagh=Trace.

(SAHIBZAD KHAN)
DIRECTOR GENERAL



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



BULLETIN No. C-067/22

Dated: 20th August, 2022

Time: 11:10 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS
CATCHMENTS (21st August, 2022 to 27th August, 2022)**

➤ **RAINFALL OUTLOOK:**

A fresh Strong Monsoon activity is likely to start over Sindh, Balochistan, Southern Punjab along with DI Khan Division from 23rd to 26th August, 2022. **HEAVY TO VERY HEAVY** Rainfall activity is likely over the upper catchments of Rivers **KABUL & INDUS** along with their **TRIBUTARIES** from 20th to 22nd August 2022.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

- Moderate Flash Flooding is expected in the Rivers/Nullahs of Eastern Balochistan during next 24 hours and heavy after 24 hours.
- Medium to High Level Flooding is expected in Rivers Kabul at Nowshera & Tributaries of Rivers Kabul & Indus from 20th to 22nd August 2022.
- Low to Medium Level Flooding is likely in the Hill Torrents of DG Khan Division during next 24 hours, while **HIGH LEVEL and above flooding after 24 hours.**

Note: This forecast is updated on daily basis.

**(SAHIBZAD KHAN)
DIRECTOR GENERAL**