

MOST IMMEDIATE



F.2 (E)/2024-NDMA (MW/Flood-Advisory)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
Near ITP Office, Main Murree Road
ISLAMABAD



Dated: **2nd July 2024**

Subject: **Flood Advisory - Medium to High Flood In Rivers Chenab & Kabul**

Reference: a. *NDMA National Monsoon Contingency Plan 2024*
b. *NDMA's Monsoon Weather Projection - July 2024 dated 22nd June 2024.*
c. *NDMA Weather Advisory dated 1st July 2024.*

NDMA Tech Team and Flood Forecasting Division (FFD) has forecasted that **water flows** are likely to **increase** in all major **rivers** and their **tributaries** from **3rd July 2024**, **River Chenab** at **Marala** and **downstream** and **River Kabul at Nowshera** and its **tributaries / nullahs** will attain **MEDIUM TO HIGH FLOOD LEVELS** between **4th July to 7th July 2024**. **PDMA**s, **Irrigation Departments** and respective district administration(s) / **DDMA**(s), municipal / city administration(s) of **KP and Punjab** are advised to ensure following: -

- a. Identification of **vulnerable points / at-risk communities** and devise **mitigation and safety measures**.
- b. Maintain **enhanced alert level / monitoring** of developing situation to reduce reaction / response times.
- c. All civic agencies / rescue services (Rescue 1122 / Fire Brigade / Ambulance / Civil Defence) to **remain alert and ensure availability of personnel and equipment** during the mentioned period, especially in at-risk areas.
- d. People living along the banks of **River Chenab, River Kabul** and their associated **Tributaries / Nullahs** to 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 ensure availability of shelter, food and medicines in those shelter camps.
- f. Locals / farmers / cattle herders be **forewarned to shift cattle away from low lying areas** adjacent to Rivers and their associated Tributaries / Nullahs.
- g. Restrict vehicle movement in **low lying / at-risk areas**, close to Rivers and its associated water channels, tributaries / nullahs.
- h. Provision of **POL for back-up generators at water pumping stations** and timely **pre-placement of de-watering equipment for de-flooding**.

- i. DISCOs and relevant local administration / departments to **ensure that necessary arrangements are undertaken** to avoid electrocution incidents and timely restoration of power supply.
 - j. Coordinate with concerned departments for **clearance of roads** in case of any blockage / obstruction, waterlogging and pre-placing of necessary emergency equipment at vulnerable / appropriate locations.
 - k. Travelers and tourists are **forewarned about risks posed at 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.
 - l. In case of any eventuality, **Special SITREP / Update** be shared immediately with NDMA.
2. **NDMA Flood Projections**. Flood Projections for **River Kabul** and **River Chenab** is enclosed respectively as **Annex-A & Annex-B**.
 3. **Flood Forecasting Division Only**. Please share regular updates on water flows on major rivers, **especially River Kabul and Chenab every 3 hours** with NDMA.
 4. **Press Information Department Only**. With the request for **wider circulation and public awareness**.
 5. Forwarded for information / necessary action, please.

(Hammad Sadiq Rana)
Director (Response)

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FFD FLOOD FORECAST FOR MAJOR RIVERS

**PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION**

46-JAIL ROAD LAHORE-54000

BULLETIN No. C-018/24

Dated: - 02nd July, 2024
Time: - 11:00 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (03rd-July, 2024 to 09th-July, 2024)**

➤ **RAINFALL OUTLOOK:**

Widespread activity of **Moderate to Heavy** rainfall intensity with isolated **Very Heavy** fall is likely during **4th to 7th July 2024** over upper catchments of all the major rivers.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are anticipated to increase in all major rivers and their tributaries starting from 3rd July 2024. **Medium to High level** flood peaks are expected in the River Jhelum at Mangla upstream, the River Chenab at Marala and downstream, and the River Kabul at Nowshera and its tributaries between 4th and 7th July 2024. Flows are also likely to increase in the nullahs of Rivers Ravi and Chenab catchments during the 4th to 7th.

Note: This forecast is updated on daily basis.

(Saqib Hussain)
Director
for Chief Meteorologist
FFD Lahore

RIVER KABUL FLOOD PROJECTIONS



RIVER KABUL FLOOD PROJECTIONS



Inundation Zones and Impact Assessment

ANTICIPATED EXPOSURE

Low Flood Extent (Discharge upto 70,000 Cusecs)

Exposed Elements

Settlements at Risk	Health at Risk	Number of Roads at Risk	Schools at Risk	Communication Towers at Risk	Number of Bridges at Risk
21	02	19	02	03	08

Medium Flood Extent (Discharge from 70,000 to 130,000 Cusecs)

Exposed Elements

Settlements at Risk	Health at Risk	Number of Roads at Risk	Schools at Risk	Communication Towers at Risk	Number of Bridges at Risk
28	04	120	11	12	37

High Flood Extent (Discharge from 130,000 to 200,000 Cusecs)

Exposed Elements

Settlements at Risk	Health at Risk	Number of Roads at Risk	Schools at Risk	Communication Towers at Risk	Number of Bridges at Risk
40	04	248	27	40	61

LIKELY EXPOSED AREAS

TEHSIL NAMES

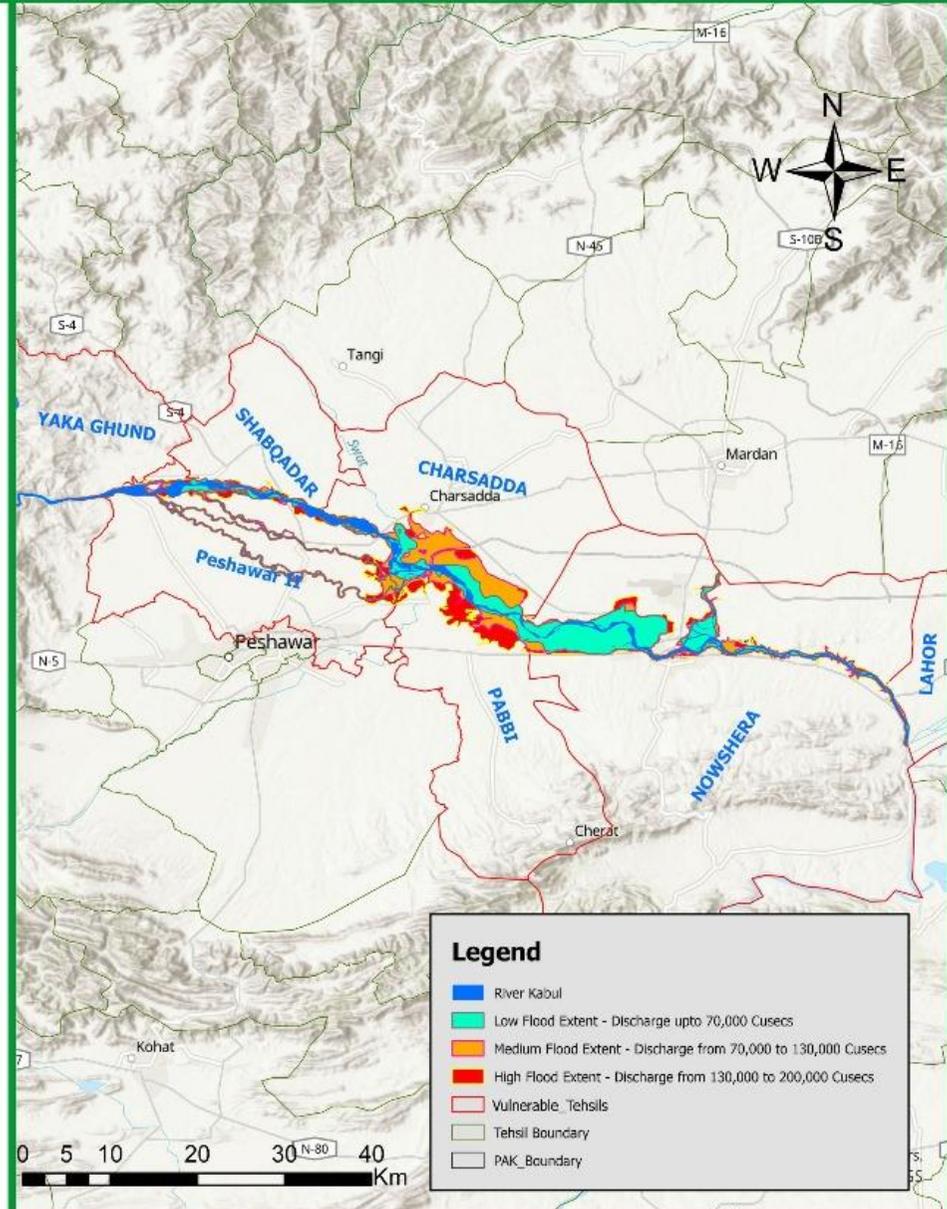
Yaka Ghund	Nowshera
Charsadda	Pabbi
Shabqadar	Lahor
Peshawar II	

LEAD RESPONDER

- Khyber Pakhtunkhwa (PDMA, GoKP Line Department)
- NDMA Federal Organizations Including Military, WAPDA, Key Ministries
- Rescue 1122, UN Organization, Areas NGOs (Names as per NDMA index)

Expected Occurrence Time

July-September 2024



RIVER CHENAB FLOOD PROJECTIONS



RIVER CHENAB FLOOD PROJECTIONS



Inundation Zones and Impact Assessment

ANTICIPATED EXPOSURE

Low Flood Extent (Discharge upto 150,000 Cusecs)

Exposed Elements

Settlements at Risk	Health at Risk	Number of Roads at Risk	Schools at Risk	Communication Towers at Risk	Number of Bridges at Risk
653	17	56	08	12	11

Medium Flood Extent (Discharge from 150,000 to 300,000 Cusecs)

Exposed Elements

Settlements at Risk	Health at Risk	Number of Roads at Risk	Schools at Risk	Communication Towers at Risk	Number of Bridges at Risk
1036	35	118	11	41	20

High Flood Extent (Discharge from 300,000 to 600,000 Cusecs)

Exposed Elements

Settlements at Risk	Health at Risk	Number of Roads at Risk	Schools at Risk	Communication Towers at Risk	Number of Bridges at Risk
1409	57	184	19	142	34

LIKELY EXPOSED AREAS

TEHSIL NAMES

Ahmadpur East	Chaubara	Pindi Bhattian	Jatoi
Bhawana	Phalia	18-Hazari	Kot Addu
Chiniot	Jalapur Pirwala	Jhang	Muzaffargarh
Lalian	Multan City	Shorkot	Kot Momin
Wazirabad	Multan Saddar	Kabirwala	Sambrial
Gujrat	Shujabad	Sialkot	Alipur
Hafizabad			

LEAD RESPONDER

- Punjab (PDMA, GoPb Line Department)
- NDMA Federal Organizations Including Military, WAPDA, Key Ministries
- Rescue 1122, UN Organization, Areas NGOs (Names as per NDMA index)

Expected Occurrence Time

July-September 2024

