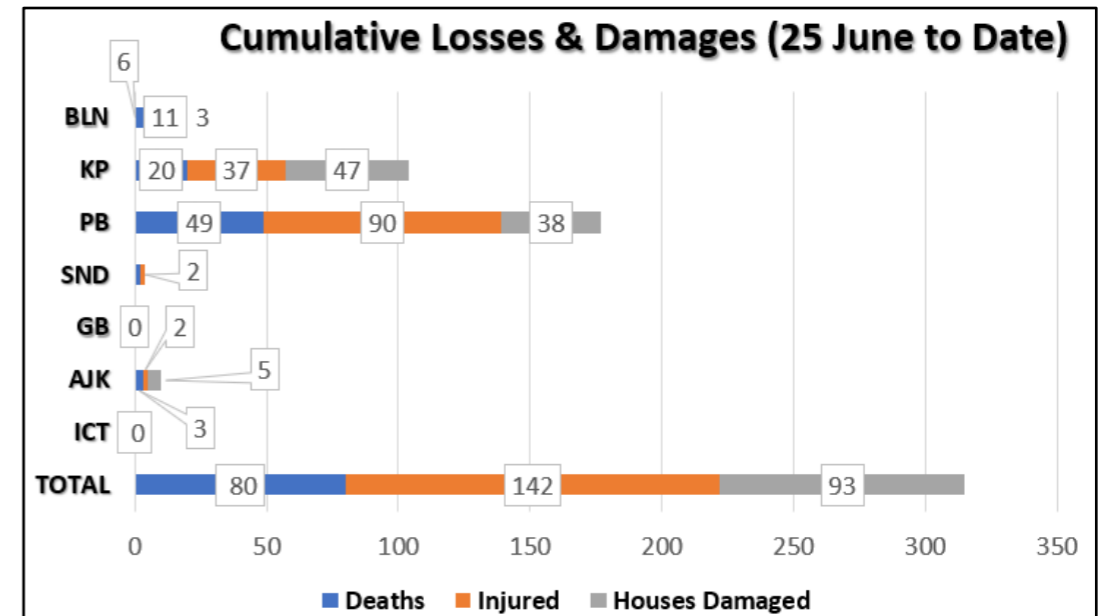
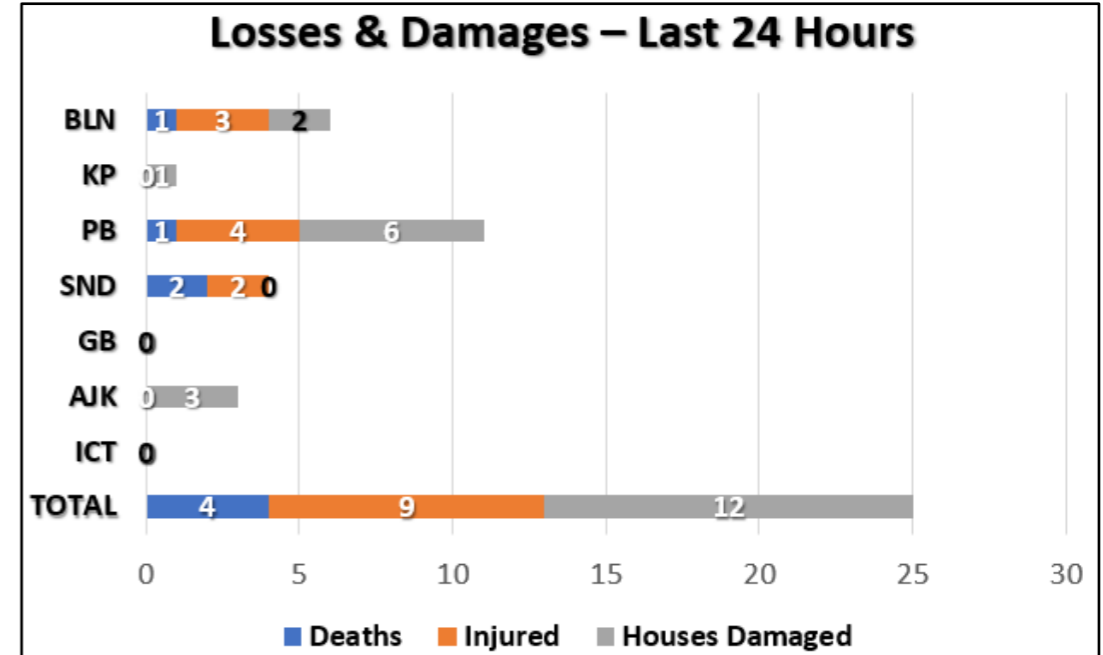
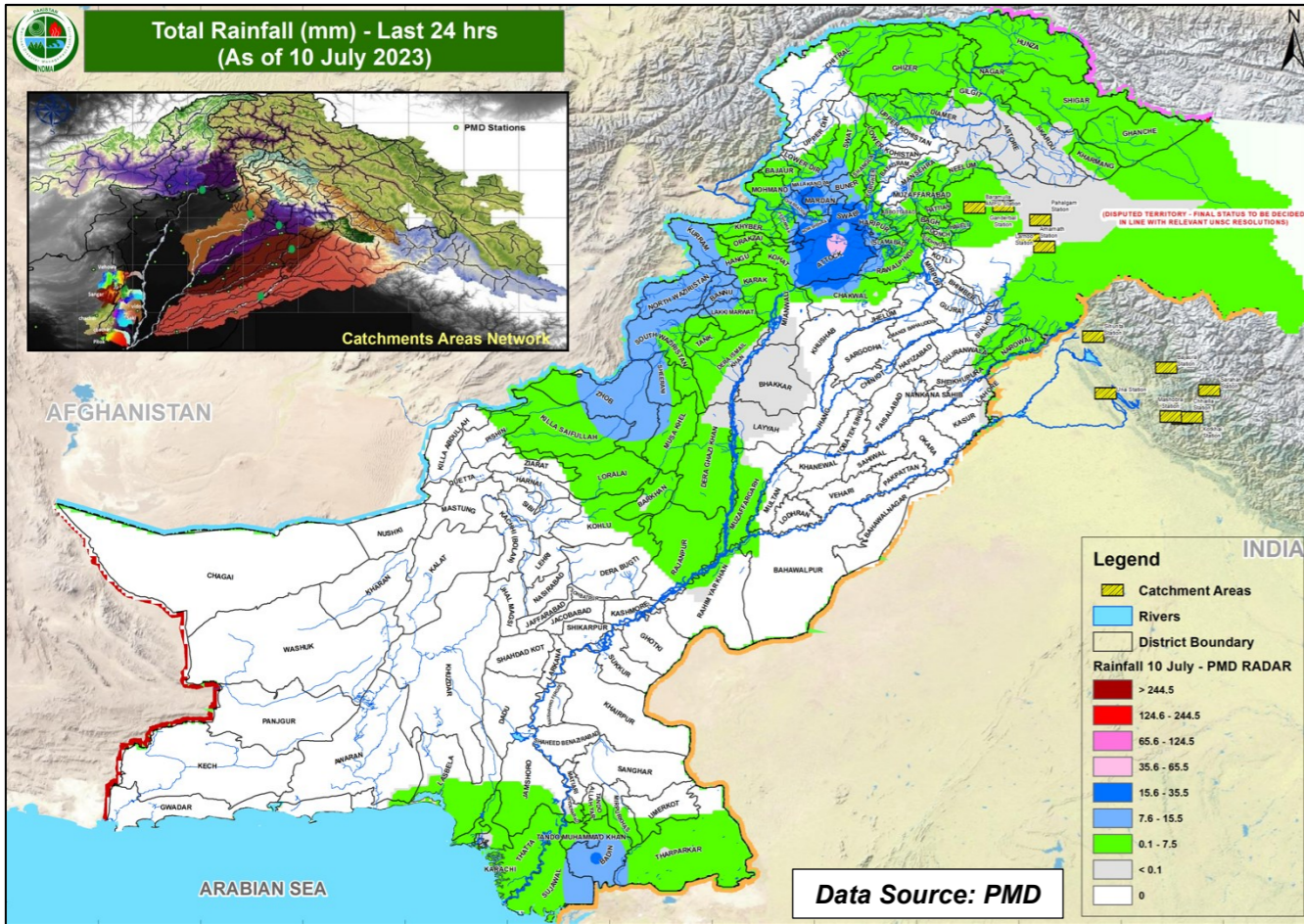
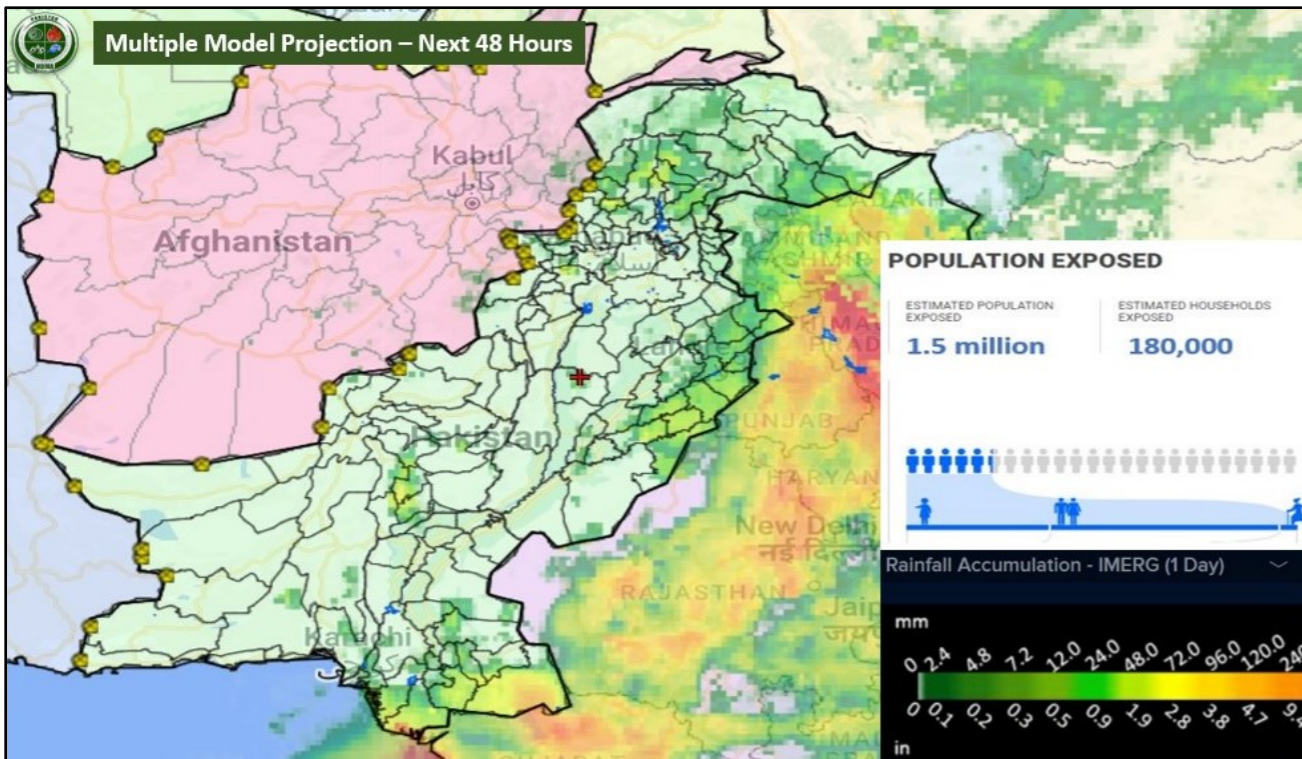


# NDMA – MONSOON RAINS – MULTIPLE MODEL PROJECTION (10 JULY 2023 – 1400 hrs)



## TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- **ICT.** Airport 18, Bokra 13, Golra 8, Zeropoint 5, Saidpur 1.
- **Balochistan.** Nil.
- **KP.** Cherat 35, Mardan 26, Saidu Sharif 13, Bannu 11, Parachinar 10, Ghanlanai 3.
- **Punjab.** Attock 60, DG Khan 6, Rawalpindi 2, Narowal 1.
- **Sindh.** Badin 16, Thatta 3 Karachi 4.
- **GB.** Hunza 6, Gupis 1, Gilgit 1.
- **AJK.** Chattar Kalas 6, Garhidupatta 5, Haraman 4, Dhulli 1.



| River  | Site      | Inflow  | Outflow | Status |
|--------|-----------|---------|---------|--------|
| Indus  | Tarbela   | 168,000 | 164,300 | NORMAL |
|        | Kalabagh  | 210,168 | 202,668 | NORMAL |
|        | Chashma   | 235,460 | 225,040 | NORMAL |
|        | Taunsa    | 266,135 | 201,135 | NORMAL |
|        | Guddu     | 188,613 | 150,183 | NORMAL |
| Kabul  | Sukkur    | 144,694 | 90,044  | NORMAL |
|        | Kotri     | 65,173  | 29,568  | NORMAL |
| Jhelum | Nowshera  | 58,700  | 58,700  | NORMAL |
|        | Mangla    | 54,000  | 10,000  | NORMAL |
| Chenab | Rasul     | 3,155   | 0       | NORMAL |
|        | Marala    | 184,350 | 168,300 | MEDIUM |
|        | Khanki    | 193,876 | 186,830 | MEDIUM |
|        | Q.Abad    | 174,980 | 159,980 | MEDIUM |
|        | Trimmu    | 34,667  | 21,267  | NORMAL |
| Ravi   | Panjnad   | 22,102  | 7,777   | NORMAL |
|        | Jassar    | 35,430  | 35,430  | NORMAL |
|        | Shahdara  | 11,648  | 11,648  | NORMAL |
|        | Balloki   | 41,175  | 14,250  | NORMAL |
| Sutlej | Sidhnai   | 21,822  | 6,572   | NORMAL |
|        | GS Wala   | 14,350  | 14,350  | NORMAL |
|        | Sulemanki | 22,283  | 11,496  | NORMAL |
|        | Islam     | 1,691   | 841     | NORMAL |

Data Source: FFD

## FORECASTED IMPACT NEXT 24-48 HOURS

- **Medium-High Level Flooding** in Rivers Chenab, Ravi, Sutlej and their associated Nullahs (*Bhimber, Aik, Deg, Bein, Palkhu & Basantar*). **Flows are likely to remain within water channels**, with probable impact only on **low-lying areas adjacent to riverbanks**.
- **Wind-thunderstorms / heavy rainfall** in North / Northeastern Punjab (*including Lahore, Sialkot & Narowal, Rawalpindi, DG Khan, Multan & Sargodha Divisions*).
- **Urban flooding** in municipal areas (*Lahore, Sialkot, Narowal, Gujranwala*) and **landsliding** in hilly / mountainous regions of Balochistan, KP, Punjab, GB & AJK.
- **Thunderstorms / moderate-heavy rainfall** in Sindh (*Karachi, Tharparkar, Sukkur, Larkana, Hyderabad, Badin, Shaheed Benazirabad*).
- **Thunderstorms / moderate-heavy rainfall** in Northeastern Balochistan (*Sibbi, Zhob, Kohlu, Qila Saifullah, Khuzdar, Barkhan, Loralai, Kalat, Naseerabad, Dera Bugti & Lasbela*).
- **Thunderstorms / moderate-heavy rainfall** expected in Islamabad, Khyber Pakhtunkhwa (*Peshawar, Kohat, Bannu, DI Khan*).

## GUIDANCE ISSUED

- **City / District Administrations** are to **ensure contingency traffic plans** for areas vulnerable to flooding in urban centres, (*as indicated above*) catering for **prompt de-watering operations in flooded underpasses**.
- All **District Administrations** to **ensure completion of stock taking** and reconnaissance and **public awareness** / information in **vulnerable areas**, especially **Marala Headworks & Trimmu Barrage** on River Chenab and Jassar on River Ravi with respect to **chances of increased flood flows** until 20 July.
- **PDMA Punjab** to ensure **early warning, prompt response & evacuations** in **low-lying at-risk areas** along the banks of Rivers Chenab, Ravi, Sutlej and its associated Nullahs (*as indicated above*).
- **Rescue Services, Armed Forces** and leading **NGOs/CSOs** to **ensure availability of personnel / equipment** in the indicated areas & **be on stand-by for rapid response**.
- **Enforce water regulation & contingency protocols** to managing high water flows / channelling into link canals be executed on **immediate basis**.
- **All stakeholders** to maintain proactive coordination to ensure **prompt and streamlined response**.