

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

**BULLETIN No. A-074/24**

**Dated: 27<sup>th</sup> August, 2024  
Time: 11:20 hours (PST)**

- |   |  |
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| <ol style="list-style-type: none"><li>1. President Secretariat, Islamabad.</li><li>2. PM House, Islamabad.</li><li>3. Federal Minister for Water Resources, Islamabad.</li><li>4. Governor (All Provinces).</li><li>5. Chairman NDMA, Islamabad.</li><li>6. Chief Minister (All Provinces).</li><li>7. PM Secretariat, Islamabad.</li><li>8. Secretary, Aviation Division, Islamabad.</li><li>9. Secretary, Ministry for Water Resources, Islamabad.</li><li>10. Secretary, Ministry of Information, Islamabad.</li><li>11. Secretary, Climate change, Islamabad.</li><li>12. Chairman NHA, Islamabad.</li><li>13. Chief Secretary (All Provinces).</li></ol> | <ol style="list-style-type: none"><li>14. PDMA'S (D.G's All Provinces &amp; AJK).</li><li>15. Chairman, Federal Flood Commission, Islamabad.</li><li>16. Chairman, Indus River System Authority, Islamabad.</li><li>17. Chairman, PCRWR, Islamabad.</li><li>18. The Secretary General, Red Crescent, Islamabad.</li><li>19. Secretary, Irrigation Department, (All Provinces).</li><li>20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.</li><li>21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.</li><li>22. Chief Engineer, Mangla/Tarbela/Chashma.</li><li>23. Chief Engineer, Irrigation (All Provinces).</li><li>24. Chief Engineer, (All Barrages).</li><li>25. Chief Engineer, C.D.O. (Muzaffarabad).</li><li>26. All other concerned.</li></ol> |
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**SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:  
I: HYDROLOGICAL SITUATION at 0600 PST:**

River Indus at Sukkur and Kotri is at **Medium** flood level, while at Guddu, it is at Low flood level.

**Warning: (up to 31<sup>st</sup> August):**

**SEVERE FLASH FLOODING** is expected in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat divisions). Urban flooding is expected in Metropolitan cities of Sindh.

**II: METEOROLOGICAL FEATURES:**

- a) Yesterday's Depression over Southeast Rajasthan has further intensified in to **DEEP DEPRESSION** and is vertically extending up to 9 km. It has moved south-southwestwards and today lies over north Gujarat (India).
- b) Yesterday's trough of westerly wave persists over northeast Afghanistan.
- c) Light to moderate moist currents from Bay of Bengal are penetrating the upper catchments of all the major rivers. While **STRONG MOIST CURRENTS** are penetrating from both sources into south Sindh and adjoining areas up to 10,000 feet.
- d) Another **Low-pressure** area lies over Jharkhand. It may also affect the central parts of the country from 30<sup>th</sup> August.
- e) Seasonal Low lies over Northwest Balochistan.

**III: WEATHER FORECAST FOR 72-HOURS:**

Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the major rivers along with Islamabad, Khyber Pakhtunkhwa, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad and Sahiwal divisions.

**Warning:** Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Loralai, Sibbi, Nasirabad, Kalat and Makran divisions) and south Punjab (DG Khan, Multan and Bahawalpur divisions).**

**IV: WEATHER Outlook During up to 31<sup>st</sup> August:**

Wet spell with same intensity is likely to continue up to 31<sup>st</sup> August.

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

|         |   |
|---------|---|
| Indus:  | Tarbela=53, Badin=52, Attock=48, Kamra (Airbase)=42, Mirpur Khas=41, Mithi=40, Thatta=26, Kakul=22, Islamabad [Chaklala (Katcheri)=25, New Airport=17, Chaklala (Airbase)=15, Golra=14, Zerpoint & Shamsabad=02(each)], Chhor & Sakrand=15(each), Risalpur=14, Hyderabad (City=13, Airport=08), Tando Jam=08, D.I.Khan(City=05, Airport=03) Bosak Bidge, D.G Khan (Vehova), Shaheed Benazirabad & Saidu Sharif=04(each), Murree=03, Cherat, Bagrote, Malam Jabba, Dratian & Kohat Airbase=02(each), Besham, Gilgit, Gupis, Mardan & Kalpani(Rasheedabad)=01(each), Lower Dir, Daggar, Takht Bai & Chakdara=Trace(each). |
| Jhelum: | Jhelum=46, Bandi Abbaspur & Balakot=17(each), Dhulli=12, Muzaffarabad (City) & Kallar=10(each), Mandibahauddin=09, Mangla=07, Kotli=06, Rawalakot=04, Chattar Kallas=03, Panjera & Palandri=01(each), Garhi Dopatta & Chakothi=Trace(each).   |
| Chenab: | Sialkot (Cantt=39, Airport=25), Gujranwala [Liqat Bagh=35, City=25 Peoples Colony & Sheranwala Bagh=19(each), Model Town=05,] Marala=03, Gujrat=02, Shorkot (Airbase)=Trace.  |
| Ravi:   | Lahore [Shahi Qilla=42, Shahdara=23, Luckshami=10, Gulshan-e-Ravi=05, Misri Shah=04, Samanabad=01, Qurtab Chowk, Iqbal Town & Jail Road=Trace(each)], Khanewal & Zafarwal=02(each), Faisalabad, Sahiwal & Narowal=Trace(each).  |
| Sutlej: | Kasur=Trace.  |
| Others: | Karachi (Quaidabad=52, Gulshan-e-Hadeed=46, North Karachi=30, Nazimabad=26, Surjani Town=25, Met Complex=17, University Road, Kemari & Faisal Base=16(each), Korangi=15, Airport & Saddar=13(each), Gulshan-e-Maymar=12, Jinah Terminal, DHA & Bin Qasim=11(each), Zhob=12, Sibbi=02, Loralai=Trace.  |

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**(Shahid Abbas)  
Chief Meteorologist  
FFD Lahore**

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

BULLETIN No. B-074/24

Dated: - 27<sup>th</sup> August, 2024  
Time: - 11:20 hours (PST)

**I: WEATHER/RAINFALL FORECAST FOR NEXT 24-HRS:**

| RIVERS | Upper Catchments<br>(Above Rim Stations) | Lower Catchments<br>(Below Rim Stations)              | <b>RESERVOIRS LEVEL<br/>(FEET) at (0600 PST)</b> |         |
|--------|--|---|--|---------|
| INDUS  | Scattered thunderstorm rain              | Scattered thunderstorm rain<br>(Rawalpindi Division)  | <b>TARBELA</b>                                   |         |
| JHELUM | -do-                                     | -do-<br>(Sargodha Division)                           | Current:   | 1550.00 |
| CHENAB | -do-                                     | -do-<br>(Gujranwala Division)                         | Max. Conservation:                               | 1550.00 |
| RAVI   | -do-                                     | -do-<br>(Lahore Division)                             | Live Storage                                     | 100.0%  |
| SUTLEJ | -do-                                     | Widespread thunderstorm rain<br>(Bahawalpur Division) | <b>MANGLA</b>                                    |         |
|        |  |   | Current:   | 1217.00 |
|        |  |   | Max Conservation:                                | 1242.00 |
|        |  |   | Live Storage                                     | 74.1%   |

**II: QUANTITATIVE FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)**

| RIVERS | Stations  | Design Capacity | Actual Observations at 0600 PST |         | Quantitative Forecast for Next 24-hrs (Inflow) | Qualitative Forecasted Flood Level (Inflow) | Max Flood Peaks (In Thousands of Cusecs) |                   |
|--------|-----------|-----------------|---------------------------------|---------|--|---|--|-------------------|
|        |           |                 | Inflow                          | Outflow |  |   | Historical                               | Flood Season 2024 |
| INDUS  | Tarbela   | 1500            | 158.0                           | 155.5   | 140-155  | Below Low                                   | 832.0 (2010)                             | 350.0             |
|        | Kalabagh  | 950             | 213.8                           | 207.1   | 210-230  | -do-  | 950.0 (1942)                             | 401.7             |
|        | Chashma   | 950             | 202.4                           | 180.0   | 200-220  | -do-  | 1038.9 (2010)                            | 432.7             |
|        | Taunsa    | 1100            | 173.1                           | 153.6   | 180-210  | -do-  | 960.0 (2010)                             | 442.2             |
|        | Guddu     | 1200            | 316.5                           | 316.0   | 310 F 220                                      | Low   | 1199.7 (1976)                            | 431.3             |
|        | Sukkur    | 1500            | 358.5                           | 354.5   | 355-330  | Medium to Low                               | 1166.6 (1986)                            | 401.1             |
|        | Kotri     | 875             | 314.4                           | 312.6   | 315-325  | Medium                                      | 980.3 (1956)                             | 314.4             |
| KABUL  | Nowshera  | -               | 39.6                            | 39.6    | 40-55  | Below Low                                   | 391.3 (1990)                             | 114.2             |
| JHELUM | Manla     | 1060            | 25.0                            | 8.0     | 20-40  | -do-  | 1090.0 (1992)                            | 114.6             |
|        | Rasul     | 850             | 3.1                             | 0.0     | No Sig. change                                 | -do-  | 952.2 (1992)                             | 66.1              |
| CHENAB | Marala    | 1100            | 55.8                            | 27.6    | 60-80  | -do-  | 1100.0 (1957)                            | 178.8             |
|        | Khanki    | 1100            | 28.5                            | 20.5    | No Sig. change                                 | -do-  | 1086.5 (1959)                            | 177.1             |
|        | Qadirabad | 807             | 23.9                            | 5.9     | -do-   | -do-  | 948.5 (1992)                             | 163.2             |
|        | Trimmu    | 645             | 36.5                            | 26.0    | -do-   | -do-  | 944.0 (1928)                             | 96.3              |
|        | Punjnad   | 700             | 55.0                            | 47.9    | -do-   | -do-  | 802.5 (1973)                             | 72.3              |
| RAVI   | Jassar    | 275             | 2.6                             | 2.6     | 3-10   | -do-  | 680.0 (1955)                             | 40.4              |
|        | Shahdara  | 250             | 15.4                            | 15.4    | No Sig. change                                 | -do-  | 576.0 (1988)                             | 28.0              |
|        | Balloki   | 225             | 37.8                            | 9.3     | -do-   | -do-  | 389.8 (1988)                             | 56.3              |
|        | Sidhnai   | 150             | 19.6                            | 7.4     | -do-   | -do-  | 330.2 (1988)                             | 32.8              |
| SUTLEJ | G.S. Wala | --              | 0.0                             | 0.0     | -do-   | -do-  | 837.0 (1955)                             | 19.7              |
|        | Sulemanki | 325             | 14.5                            | 3.0     | -do-   | -do-  | 598.9 (1955)                             | 46.2              |
|        | Islam     | 300             | 8.5                             | 7.0     | -do-   | -do-  | 492.6 (1955)                             | 12.5              |

Isolated= 20 to 30% of area Scattered= 30 to 50% of area | Widespread= 90 to 100% of area R= Rising, F= Falling

Note: Concerned Departments may contact FFD, Lahore for rectification up-dation (if any)

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**(Shahid Abbas)**  
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46-JAIL ROAD LAHORE-54000

BULLETIN No. C-074/24

Dated: 27<sup>th</sup> August, 2024  
Time: 11:20 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (28<sup>th</sup>-August, 2024 to 03<sup>rd</sup>-September, 2024)**

➤ **RAINFALL OUTLOOK:**

**Warning:** Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions) and South Punjab (DG Khan, Multan and Bahawalpur divisions)**, up to 31<sup>st</sup> August.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant increase is expected in the flows of any of the major rivers.

**Warning (up to 31st August):**

**SEVERE FLASH FLOODING** is expected in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat division). Urban flooding is also expected in the metropolitan cities of Sindh.

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