

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

BULLETIN No. A-016/24

Dated: - 30th June, 2024
Time: - 11:00 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. Secretary, Climate change, Islamabad.12. Chairman NHA, Islamabad.13. Chief Secretary (All Provinces).14. PDMA'S (D.G's, All Provinces & AJK). | <ol style="list-style-type: none">15. Chairman, Federal Flood Commission, Islamabad.16. Chairman, Indus River System Authority, Islamabad.17. Chairman, PCRWR, Islamabad.18. The Secretary General, Red Crescent, Islamabad.19. Secretary, Irrigation Department, (All Provinces).20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.,22. Chief Engineer, Mangla/Tarbela/Chashma.23. Chief Engineer, Irrigation (All Provinces).24. Chief Engineer, (All Barrages).25. Chief Engineer, C.D.O. (Muzaffarabad).26. All other concerned. |
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SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

River Kabul at Nowshera is in a low flood level whereas all the other major rivers are flowing below low flood level.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's strong trough of extratropical storm over northwest Afghanistan and adjoining areas today lies over northern parts of Afghanistan. It is likely to affect the upper half of the country significantly from 2nd of July.
- b. Yesterday's cyclonic circulation over 300 km Southwest of Karachi has weaken.
- c. The latest vertical wind analysis over Southwest Asia indicates moderate to strong moisture influx from the Arabian Sea is bifurcating into two parts, one part is converging over the upper regions of the country, while the other is diverging towards India, extending up to 5000 feet. The strength of the moisture incursion, influenced by a trough of an extratropical storm, is expected to become more prominent.
- d. A monsoon trough lies along the foothill of Hamaliya from Bay of Bengal to eastern rivers catchments.
- e. Weak Seasonal low lies over northwest of Balochistan, with a central pressure of below 994 hPa.
- f. Current soil conditions within the catchments of the Major Rivers and hill torrents are semi saturated.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm with moderate rain is expected over the upper catchments of all major rivers, as well as Islamabad, Rawalpindi, Sargodha, Gujranwala Lahore, DG Khan, Kalat and Makran divisions. Isolated thunderstorm rain of light intensity is also expected over South & Southeast Sindh, Bahawalpur, Sibbi and Nasirabad divisions.

IV: WEATHER OUTLOOK:

Rainfall activity of moderate to heavy intensity with isolated very heavy falls is expected over the upper catchment of all the major rivers along with north-northeast Punjab and Kyber Pakhtunkhwa from 2nd July.

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

| | |
|---------|--|
| Indus: | Pashat-Bajaur=22, DG Khan [Vehova=11 & Zain Sanghar=08], Tarbela & Daggar=09(each), Dhok Pathan=07, Takht Bai=06,Oghi, Shishi Dsrosh & Kalam=03(each), Khaar-Bajaur, Kamra (Airbase), Astore, Lower Dir & Kalpani (Rashidabad)=01(each), Islamabad Chaklala (Airbase), Besham,Phulra, Murree, Bunji & Kakul=Trace(each). |
| Jhelum: | Garhi Dopatta=16, Mandibahauddin=06, Mangla=03, Rawalakot & Chakwal=02(each), Kotli & Panjera=01. |
| Chenab: | Barnala=27, Hafizabad=25, Gujrat=17, Sialkot (Airport=14 & Cantt=08), Gujranwala=04, Marala=01, Kot Addu=Trace |
| Ravi: | Narawal=32, Lahore [Upper Mall=23, Township=22, Jail Road=21, Gulburg=20, Luckshami=18, Samanabad=11, Taj Pura, Mughal Pura & Misri Shah=06(each), Airport & Qurtba chock=05(each), Johar Town=03, Shahi Qilla=01, Iqbal Town, Shahdara & Gulshan e Ravi=Trace(each)], Sheikhpura=02. |
| Sutlej: | -Nil- |
| Others: | Ziarat=08, Zhob=05, Quetta (Sheaikh Manda)=Trace. |

--Sd/--

(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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Dated: - 30th June, 2024
Time: - 11:00 hours (PST)

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

| RIVERS | Upper Catchments (Above Rim Stations) | Lower Catchments (Below Rim Stations) | RESERVOIRS LEVEL (FEET) at (0600 PST) |
|--------|--|--|--|
| INDUS | Scattered thunderstorm/rain | Scattered thunderstorm/rain (Rawalpindi Division) | TARBELA Current: 1470.26 Max. Conservation: 1550.00 |
| JHELUM | -do- | -do- (Sargodha Division) | |
| CHENAB | -do- | -do- (Gujranwala Division) | MANGLA Current: 1183.80 Max Conservation: 1242.00 |
| RAVI | -do- | -do- (Lahore Division) | |
| SUTLEJ | -do- | Isolated thunderstorm/rain (Bahawalpur Division) | |

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 | 215.0 | 151.0 | 215-240 | Below Low | 832.0 (2010) | 215.0 |
| | Kalabagh | 950 | 226.9 | 219.2 | 220-230 | -do- | 950.0 (1942) | 226.9 |
| | Chashma | 950 | 206.8 | 200.2 | 210-220 | -do- | 1038.9 (2010) | 234.0 |
| | Taunsa | 1100 | 177.7 | 153.2 | No Sig. change | -do- | 960.0 (2010) | 207.5 |
| | Guddu | 1200 | 93.9 | 69.3 | -do- | -do- | 1199.7 (1976) | 176.6 |
| | Sukkur | 1500 | 59.1 | 18.2 | -do- | -do- | 1166.6 (1986) | 135.5 |
| | Kotri | 875 | 78.1 | 35.8 | -do- | -do- | 980.3 (1956) | 82.5 |
| KABUL | Nowshera | - | 83.5 | 83.5 | 70-80 | Low | 391.3 (1990) | 96.6 |
| JHELUM | Manqla | 1060 | 50.0 | 27.7 | 50-70 | Below Low | 1090.0 (1992) | 70.0 |
| | Rasul | 850 | 28.3 | 8.0 | No Sig. change | -do- | 952.2 (1992) | 66.1 |
| CHENAB | Marala | 1100 | 69.4 | 38.3 | 60-80 | -do- | 1100.0 (1957) | 74.8 |
| | Khanki | 1100 | 42.6 | 34.5 | No Sig. change | -do- | 1086.5 (1959) | 46.6 |
| | Qadirabad | 807 | 51.4 | 31.9 | -do- | -do- | 948.5 (1992) | 51.4 |
| | Trimmu | 645 | 23.8 | 6.4 | -do- | -do- | 944.0 (1928) | 42.3 |
| | Punjnad | 700 | 17.9 | 4.1 | -do- | -do- | 802.5 (1973) | 33.8 |
| RAVI | Jassar | 275 | 3.1 | 3.1 | 5-15 | -do- | 680.0 (1955) | 5.3 |
| | Shahdara | 250 | 14.1 | 14.1 | No Sig. change | -do- | 576.0 (1988) | 16.2 |
| | Balloki | 225 | 32.1 | 5.6 | -do- | -do- | 389.8 (1988) | 32.1 |
| | Sidhnai | 150 | 16.1 | 0.0 | -do- | -do- | 330.2 (1988) | 17.3 |
| SUTLEJ | G.S. Wala | -- | 0.4 | 0.4 | -do- | -do- | 837.0 (1955) | 0.7 |
| | Sulemanki | 325 | 16.2 | 3.0 | -do- | -do- | 598.9 (1955) | 46.2 |
| | Islam | 300 | 2.8 | 0.4 | -do- | -do- | 492.6 (1955) | 4.2 |

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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BULLETIN No. C-016/24

Dated: - 30th June, 2024
Time: - 11:00 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (01st-July, 2024 to 07th-July, 2024)

➤ **RAINFALL OUTLOOK:**

Moderate to Heavy rainfall with isolated Very Heavy fall is likely to start over the upper catchments of all the major rivers from 2nd July 2024.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are likely to increase in all the major rivers and their tributaries from 3rd July 2024 along with sharp peaks of medium to high level flow in river Jhelum at Mangla upstream and river Kabul at Nowshera & its tributaries.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
Chief Meteorologist
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