### **MOST IMMEDIATE / BY FAX**



### F.2 (E)/2024-NDMA (MW/SITREP-46) **Government of Pakistan Prime Minister's Office National Disaster Management Authority (HQ)**



Main Murree Road Near ITP Office, Islamabad

Dated: 15 August 2024

NDMA - Monsoon 2024 Daily Situation Report No. 46 Subject:

NDMA Monsoon 2024 Daily Situation Report No 46, covering period from 1300 hours **14 August to 1300 hours 15 August 2024** is enclosed for information / necessary action, please.

> (Hammad Sadiq Rana) (Director (Response)

Tel No: 051-9030924 Fax No: 051-9030729

To: Federal Ministries & Departments (Interior, Planning, Food Security & Research, National Health Services, Information & Broadcasting, Climate Change, Pakistan Railways, Communications, Energy & Water Resources, Finance, Information and Broadcasting (MOIB), Press Information Department (PID), Economic Affairs Division

Chief Secretaries, Provincial Governments, GB and AJ&K

Director Generals, PDMAs, GBDMA SDMA

Director Generals, Rescue 1122 (Punjab, Sindh, Balochistan, KP, GB & AJ&K)

Director General, Climate Change and Coastal Development, Government of Sindh

Director General, Sindh Coastal Development Authority, Karachi

Director General, Balochistan Coastal Development Authority

Chairman, National Highway Authority, Islamabad

Inspector General, National Highways& Motorway Police, Islamabad

Chairman, Pakistan Telecommunications Authority, Islamabad

Chairman, Federal Flood Commission, Islamabad

Chairman, Pakistan Tourism Development Corporation, Islamabad

Managing Director, National Transmission & Dispatch Corporation, Lahore

Principal Information Officer, Press Information Department, Islamabad

Commissioner Islamabad

Headquarters, Pakistan Maritime Security Agency, Karachi

**Deputy Commissioner Islamabad** 

Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt

Staff Duties Directorate (SD Coord), General Headquarters, Rawalpindi

Military Operations Directorate (MO-4), General Headquarters, Rawalpindi Cantt

Engineer Directorate (Arms Branch), General Headquarters, Rawalpindi Cantt

ACNS (Operations), Naval Headquarters, Islamabad

ACAS (Operations), Air Headquarters, Islamabad

Headquarters, Frontier Works Organization (FWO), Rawalpindi

GSO-1, Inter Services Public Relations, General Headquarters, Rawalpindi Cantt

Directorate General, Inter-Services Intelligence (ISI), Islamabad

Headquarters, Pakistan Coast Guards, Karachi

Divisional Superintendent, Pakistan Railways Karachi

Secretary to Prime Minister, Prime Minister's Office, Islamabad Cc:

Secretary, Cabinet Division, Islamabad

PRO, DD (ICT ID:

### **MONSOON 2024 DAILY SITUATION REPORT NO - 46**

### (PERIOD COVERED: 1300 HOURS 14 AUGUST 2024 TO 1300 HOURS 15 AUGUST 2024)

### 1. Casualties and Injuries (Last 24 hours)

### a. **Deaths**

| Province / Region | District |   | Dea | aths |   | Remarks |
|-------------------|----------|---|-----|------|---|---------|
|                   |          | M | F   | С    | Т |         |
| Balochistan       | -        | 0 | 0   | 0    | 0 |         |
| KP                | -        | 0 | 0   | 0    | 0 |         |
| Punjab            | -        | 0 | 0   | 0    | 0 |         |
| Sindh             | -        | 0 | 0   | 0    | 0 |         |
| Gilgit Baltistan  | -        | 0 | 0   | 0    | 0 |         |
| AJ&K              | -        | 0 | 0   | 0    | 0 |         |
| ICT               | -        | 0 | 0   | 0    | 0 |         |
| Tot               | al       | 0 | 0   | 0    | 0 |         |

### b. **Injuries**

| Province / Region | District |   | Inju | ıres |   | Remarks |
|-------------------|----------|---|------|------|---|---------|
|                   |          | M | F    | C    | T |         |
| Balochistan       | ı        | 0 | 0    | 0    | 0 |         |
| KP                | -        | 0 | 0    | 0    | 0 |         |
| Punjab            | -        | 0 | 0    | 0    | 0 |         |
| Sindh             | -        | 0 | 0    | 0    | 0 |         |
| Gilgit Baltistan  | -        | 0 | 0    | 0    | 0 |         |
| AJ&K              | -        | 0 | 0    | 0    | 0 |         |
| ICT               | -        | 0 | 0    | 0    | 0 |         |
| Tot               | al       | 0 | 0    | 0    | 0 |         |

### 2. <u>Damage of Infrastructure & Private Properties (Last 24 hours)</u>

### a. Houses Damage and Livestock Perished

| Province /       | District | Hou     | use Damage | )     | Livestock |
|------------------|----------|---------|------------|-------|-----------|
| Region           |          | Partial | Full       | Total |           |
| Balochistan      | -        | 0       | 0          | 0     | 0         |
| KP               | -        | 0       | 0          | 0     | 0         |
| Punjab           | -        | 0       | 0          | 0     | 0         |
| Sindh            | -        | 0       | 0          | 0     | 0         |
| Gilgit Baltistan | -        | 0       | 0          | 0     | 0         |
| AJ&K             | •        | 0       | 0          | 0     | 0         |
| СТ               | -        | 0       | 0          | 0     | 0         |
| Т                | otal     | 0       | 0          | 0     | 0         |

### b. Roads, Bridges and Other Infrastructure Damaged in Last 24 hours:-

|                      |          | R                           | oads / T  | racks   |                  |                | Brid             | lge   |  |
|----------------------|----------|-----------------------------|---|---|------------------|----------------|------------------|---|--|
| Province<br>/ Region | District | Length of road damage (Kms) | Nature/extent of damage (fully/partially washed away/water over flow) | Traffic situation (Alternate route/<br>diversion available) | Number of bridge | Type of bridge | Length of bridge | Nature/ Extent of Damage fully/<br>partially washed away/ water<br>over flow) | Traffic situation (Alternate route<br>diversion available) |
| Balochistan          | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| KP                   | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| Punjab               | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| Sindh                | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| Gilgit Baltistan     | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| AJ&K                 | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| ICT                  | -        | -                           | -   | -   | -                | -              | -                | -   | -  |
| Total                | -        | -                           | -   | -   | -                | -              | -                | -   | -  |

## 3. <u>Cumulative Casualties - Deaths / Injuries (From 1300 Hours 1 July 2024 to 1300 Hours 15 August 2024)</u>:-

| Province         |    | De | eaths |     |     | lnj | jured |     |
|------------------|----|----|-------|-----|-----|-----|-------|-----|
| /Region          | M  | F  | С     | Т   | M   | F   | С     | Т   |
| Balochistan      | 7  | 0  | 6     | 13  | 0   | 1   | 7     | 8   |
| KP               | 22 | 12 | 28    | 62  | 37  | 27  | 47    | 111 |
| Punjab           | 17 | 14 | 34    | 65  | 59  | 51  | 63    | 173 |
| Sindh            | 10 | 4  | 17    | 31  | 4   | 3   | 6     | 13  |
| Gilgit Baltistan | 1  | 0  | 3     | 4   | 0   | 0   | 1     | 1   |
| AJ&K             | 0  | 0  | 5     | 5   | 8   | 3   | 5     | 16  |
| ICT              | 0  | 0  | 0     | 0   | 0   | 0   | 0     | 0   |
| Total            | 57 | 30 | 93    | 180 | 108 | 85  | 129   | 322 |

# 4. <u>Cumulative Damages of Infrastructure & Private Properties (From 1300 Hours 1 July 2024 to 1300 Hours 15 August 2024)</u>:-

| Province / Region | Roads  | Bridges | Но      | use Dam | age   | Livestock |
|-------------------|--------|---------|---------|---------|-------|-----------|
|                   | (Kms)  |         | Partial | Full    | Total |           |
| Balochistan       | 31     | 6       | 243     | 122     | 365   | 75        |
| KP                | 0      | 6       | 544     | 211     | 755   | 139       |
| Punjab            | 0      | 0       | 122     | 100     | 222   | 39        |
| Sindh             | 0      | 0       | 495     | 222     | 717   | 36        |
| Gilgit Baltistan  | 1.240  | 13      | 77      | 54      | 131   | 50        |
| AJ&K              | 0.203  | 3       | 50      | 18      | 68    | 3         |
| ICT               | 0      | 0       | 0       | 0       | 0     | 10        |
| Total             | 32.443 | 28      | 1531    | 727     | 2258  | 352       |

5. **Road Situations**. - NTR.

### 6. Flood Relief Activities (Last 24 hours)

| Province/<br>Region | Tents | Ration Bags | Blankets | Quilts | Net Mosquito | Plastic Mats | Mattress | Sleeping Bags/<br>Mats | Kitchen Sets | Hygiene Kits | First Aid Kits | Jerry can | Tarpaulin | Gas Cylinder | Water Cooler | Gabions | Sand bags |
|---------------------|-------|-------------|----------|--------|--------------|--------------|----------|------------------------|--------------|--------------|----------------|-----------|-----------|--------------|--------------|---------|-----------|
| Balochistan         | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| KP                  | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| Punjab              | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| Sindh               | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| Gilgit Baltistan    | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| AJ&K                | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| ICT                 | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |
| Total               | 0     | 0           | 0        | 0      | 0            | 0            | 0        | 0                      | 0            | 0            | 0              | 0         | 0         | 0            | 0            | 0       | 0         |

NTR.

a. Relief Camps Established.

b. Rescue Operations

(1) **Employment of Boats**. NTR.

(2) <u>Employment of Aviation Assets</u>. NTR.

(3) Relief Activities in Last 24 hours. NTR.

# 7. <u>Cumulative Flood Relief Activities (From 1300 Hours 1 July 2024 to 1300 Hours 15 August 2024)</u>:-

a. Cumulative State of Relief Camps Established by PDMAs/SDMA/GBDMA:-

| Description                 | Balochistan | KP | Punjab | Sindh | Gilgit Baltistan | AJ&K | ІСТ | Total |
|-----------------------------|-------------|----|--------|-------|------------------|------|-----|-------|
| No of Medical Camp          | 2           | 0  | 42     | 1     | 0                | 0    | 0   | 45    |
| No of Persons Treated       | 950         | 0  | 3041   | 0     | 0                | 0    | 0   | 3991  |
| No of Relief Camps          | 0           | 0  | 40     | 1     | 0                | 0    | 0   | 41    |
| No of Person in Relief Camp | 0           | 0  | 49     | 0     | 0                | 0    | 0   | 49    |
| Cooked Food                 | 0           | 0  | 600    | 0     | 0                | 0    | 0   | 600   |

b. <u>Cumulative State of Rescue Operations (From 1300 Hours 1 July 2024 To 1300 Hours 15 August 2024) by PDMAs/SDMA/GBDMA</u>:-

| Description               | Balochistan | KP | Punjab | Sindh | Gilgit<br>Baltistan | AJ&K | ІСТ | Total |
|---------------------------|-------------|----|--------|-------|---------------------|------|-----|-------|
| No of Persons Transported | 0           | 0  | 2518   | 1500  | 0                   | 0    | 0   | 4018  |

| Description                       | Balochistan | KP | Punjab | Sindh | Gilgit<br>Baltistan | AJ&K | ICT | Total |
|-----------------------------------|-------------|----|--------|-------|---------------------|------|-----|-------|
| No of Persons Evacuated / Rescued | 281         | 0  | 0      | 1524  | 0                   | 0    | 0   | 1805  |
| Animals Transported               | 0           | 0  | 921    | 0     | 0                   | 0    | 0   | 921   |
| Animal Vaccinated                 | 0           | 0  | 42946  | 0     | 0                   | 0    | 0   | 42946 |
| Boats Deployed                    | 0           | 0  | 68     | 0     | 0                   | 0    | 0   | 68    |
| Life Jackets                      | 0           | 0  | 509    | 0     | 0                   | 0    | 0   | 509   |

- (1) **Employment of Boats**. NTR.
- (2) **Employment of Aviation Activates**. NTR.
- (3) <u>Cumulative Relief Activities by PDMAs/SDMA/GBDMA (From 1300 Hours 1 July 2024 to 1300 Hours 15 August 2024)</u>:-

| Relief Items   | Balochistan | КР | Punjab | Sindh | Gilgit<br>Baltistan | AJ&K | ICT | Total |
|----------------|-------------|----|--------|-------|---------------------|------|-----|-------|
| Tents          | 0           | 45 | 1862   | 300   | 104                 | 9    | 0   | 2320  |
| Ration Bags    | 0           | 51 | 0      | 0     | 260                 | 0    | 0   | 311   |
| Blankets       | 0           | 57 | 0      | 0     | 325                 | 0    | 0   | 382   |
| Quilts         | 0           | 0  | 0      | 0     | 5                   | 0    | 0   | 5     |
| Net Mosquito   | 0           | 0  | 0      | 800   | 0                   | 0    | 0   | 800   |
| Plastic Mats   | 0           | 44 | 0      | 0     | 96                  | 0    | 0   | 140   |
| Mattress       | 0           | 34 | 0      | 0     | 0                   | 0    | 0   | 34    |
| Sleeping Bags  | 0           | 0  | 0      | 0     | 30                  | 0    | 0   | 30    |
| Kitchen Sets   | 0           | 26 | 0      | 0     | 52                  | 0    | 0   | 78    |
| Hygiene Kits   | 0           | 0  | 0      | 0     | 30                  | 0    | 0   | 30    |
| First Aid Kits | 0           | 0  | 0      | 0     | 0                   | 0    | 0   | 0     |
| Jerry can      | 0           | 0  | 0      | 100   | 0                   | 0    | 0   | 100   |
| Tarpaulin      | 0           | 0  | 0      | 0     | 52                  | 0    | 0   | 52    |
| Gabions        | 0           | 0  | 0      | 0     | 80                  | 0    | 0   | 80    |
| Sand Bags      | 0           | 0  | 0      | 0     | 500                 | 0    | 0   | 500   |
| Gas Cylinder   | 0           | 17 | 0      | 0     | 0                   | 0    | 0   | 17    |
| Water Cooler   | 0           | 17 | 0      | 0     | 0                   | 0    | 0   | 17    |

8. <u>Dams and Reservoirs Level</u>

Attached at **Annex A**.

9. Flood Alert / River Flows

- Attached at **Annex B**.
- 10. Flood / Base Flow Data Obtained from India. -
- Attached at **Annex C**.
- 11. Rainfall Recorded During Last 24 Hours (0800-0800 hours each day). Attached at Annex D.
- 12. **FFD Discharge Report Recorded at 15 August 2024 12:00 PST**. Attached at **Annex E**.

Note:

SITREP data is preliminary as provided by respective PDMAs / GBDMA / SDMA / ICT Administration, Govt Depts and is subject to change.



# GOVERNMENT OF PAKISTAN PAKISTAN METEOROLOGICAL DEPARTMENT FLOOD FORECASTING DIVISION

46-JAIL ROAD LAHORE-54000

Dated: - 15th 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)                            | RESERVOIR<br>(FEET) at (00                     |                             |
|--------|--|---|--|-----------------------------|
| INDUS  | Widespread thunderstorm rain                 | Widespread thunderstorm rain<br>(Rawalpindi Division)               | TARBELA  | 0.0000000                   |
| JHELUM | -do-   | Scattered to widespread<br>thunderstorm rain<br>(Sargodha Division) | Current:<br>Max. Conservation:<br>Live Storage | 1548.00<br>1550.00<br>98.0% |
| CHENAB | Scattered to widespread<br>thunderstorm rain | Widespread thunderstorm rain<br>(Gujranwala Division)               | MANGLA<br>Current:<br>Max Conservation:        | 1211.25                     |
| RAVI   | -do-   | Scattered to widespread<br>thunderstorm rain<br>(Lahore Division)   | Live Storage                                   | 1242.00<br>68.5%            |
| SUTLEJ | -do-   | -do-<br>(Bahawalpur Division)                                       |  |                             |

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

| RIVERS | Stations  | Design<br>Capacity | Actual Observations<br>at 0600 PST |         | Quantitative                             | Qualitative<br>Forecasted Flood | Max Flood Peaks<br>(In Thousands of Cusecs) |        |                      |
|--------|-----------|--------------------|------------------------------------|---------|--|---------------------------------|---|--------|----------------------|
|        |           |                    | Inflow                             | Outflow | 24-hrs (Inflow)                          | Level (Inflow)                  | Historical                                  |        | Flood<br>Season 2024 |
| NDUS   | Tarbela   | 1500               | 285.0                              | 255.3   | 300-330                                  | Low                             | 832.0                                       | (2010) | 350.0                |
|        | Kalabagh  | 950                | 304.4                              | 296.4   | 290-310                                  | -do-                            | 950.0                                       | (1942) | 401.7                |
|        | Chashma   | 950                | 315.4                              | 300.9   | 310-330                                  | -do-                            | 1038.9                                      | (2010) | 432.7                |
|        | Taunsa    | 1100               | 366.4                              | 339.4   | 345-380                                  | -do-                            | 960.0                                       | (2010) | 442.2                |
|        | Guddu     | 1200               | 388.0                              | 357.4   | 380 F 300                                | Medium to Low                   | 1199.7                                      | (1976) | 431.3                |
|        | Sukkur    | 1500               | 389.8                              | 346.6   | 370-390                                  | Medium                          | 1166.6                                      | (1986) | 393.0                |
|        | Kotri     | 875                | 195.3                              | 156.0   | 200-210                                  | Low                             | 980.3                                       | (1956) | 195.4                |
| KABUL  | Nowshera  |                    | 55.8                               | 55.8    | 55-90                                    | -do-                            | 391.3                                       | (1990) | 114.2                |
| JHELUM | Mangla    | 1060               | 22.0                               | 10.0    | 60-80<br>Sharp peak of<br>Medium to High | -do-                            | 1090.0                                      | (1992) | 114.6                |
|        | Rasul     | 850                | 4.0                                | 0.0     | No Sig. change                           | Below Low                       | 952.2                                       | (1992) | 66.1                 |
| CHENAB | Marala    | 1100               | 81.5                               | 64.1    | 150 R 250                                | Medium to High                  | 1100.0                                      | (1957) | 136.5                |
|        | Khanki    | 1100               | 73.0                               | 64.9    | 150 R 250                                | -do-                            | 1086.5                                      | (1959) | 102.4                |
|        | Qadirabad | 807                | 61.1                               | 43.1    | 150 R 250                                | -do-                            | 948.5                                       | (1992) | 101.6                |
|        | Trimmu    | 645                | 75.6                               | 62.2    | No Sig. change                           | Below Low                       | 944.0                                       | (1928) | 78.8                 |
|        | Punjnad   | 700                | 48.6                               | 35.8    | -do-                                     | -do-                            | 802.5                                       | (1973) | 48.8                 |
| RAVI   | Jassar    | 275                | 8.8                                | 8.8     | 30-50                                    | Low                             | 680.0                                       | (1955) | 33.9                 |
| NAVI   | Shahdara  | 250                | 12.1                               | 12.1    | 10-15                                    | Below Low                       | 576.0                                       | (1988) | 24.8                 |
|        | Balloki   | 225                | 48.4                               | 19.7    | 40-50                                    | Low                             | 389.8                                       | (1988) | 53.1                 |
|        | Sidhnai   | 150                | 21.4                               | 7.8     | No Sig. change                           | Below Low                       | 330.2                                       | (1988) | 32.3                 |
| SUTLEJ | G.S. Wala | **                 | 3.6                                | 3.6     | -do-                                     | -do-                            | 837.0                                       | (1955) | 19.7                 |
| OUILLO | Sulemanki | 325                | 23.8                               | 12.6    | -do-                                     | -do-                            | 598.9                                       | (1955) | 46.2                 |
|        | Islam     | 300                | 6.3                                | 5.0     | -do-                                     | -do-                            | 492.6                                       | (1955) | 10.6                 |

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)

-sd/--

(Shahid Abbas) Chief Meteorologist

FFD Labore



### GOVERNMENT OF PAKISTAN PAKISTAN METEOROLOGICAL DEPARTMENT FLOOD FORECASTING DIVISION

46-JAIL ROAD LAHORE-54000

Dated: 15th August, 2024 Time: 11:20 hours (PST)

1. President Secretariat, Islamabad.

PM House, Islamabac Federal Minister for Water Resources, Islamabad.

Governor (All Provinces). 5. Chairman NDMA, Islamabad 6 Chief Minister (All Provinces) PM Secretariat, Islamabad.

8. Secretary, Aviation Division, Islamabad. 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). Chairman, Federal Flood Commission, Islamabad.
 Chairman, Indus River System Authority, Islamabad.

17. Chairman, P CRWR, Islama

18. The Secretary General, Red Crescent, Islamabad. 19. Secretary, Irrigation Department, (All Provinces). 20. D.G. Engineers, Eng. Directorate GHQ, Rawalpind

21. Pakistan Commissioner for Indus Waters (PCW), 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.

### SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

### I: HYDROLOGICAL SITUATION at 0600 PST:

River Indus at Guddu is in Medium flood level, while at Tarbela, Kalabagh, Chashma, Taunsa and Sukkur is in Low flood

### During 15th to 17th August:

Medium to High level flows are expected in river Jhelum at Mangla Upstream and river Chenab at Marala, Khanki and Qadirabad along with Nullahs in the catchments of rivers Chenab and Ravi, Low to Medium level flows are expected in river Kabul at Nowshera and in river Indus at Tarbela along with hill torrents in DG Khan division and Nullahs in Sibbi, Nasirabad, Zhob and Kalat divisions.

### II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Strong Westerly Wave over northern parts of Iran today lies over Northeastern parts of Iran and adjoining Afghanistan. It is likely to affect the upper catchments of all the major rivers from today.
- A Jet stream lies over Northern parts of Iran with wind speeds of more than 100 knots at core.
- Yesterday's upper air cyclonic circulation over Northeast Rajasthan remained stationary.
- d) Moderate moist currents are penetrating the most parts of the country from Arabian Sea up to 5000 feet.
- e) Seasonal Low lies over north Balochistan.

### III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm rain of moderate intensity with isolated HEAVY falls is expected over Faisalabad, Sahiwal, Multan, Bahawalpur, Zhob, Nasirabad, Sibbi and Kalat divisions along with Sindh.

Alert: Widespread Thunderstorm rain of MODERATE to HEAVY intensity with Isolated VERY HEAVY falls is expected over the upper catchments of rivers Indus, Kabul and Jhelum along with Islamabad, Khyber Pakhtunkhwa & Rawalpindi and Gujranwala divisions. Scattered to widespread thunderstorm rain of moderate intensity with isolated HEAVY to VERY HEAVY falls is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Sargodha, Lahore and DG Khan divisions.

### IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Wet spell is likely to continue.

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

Indus: Kakul=17, Barkhan=03, Bhandu Wala, Buner & Murree=01(each), Tanda Dam=Trace.

Ibelum: Kotli=42, Jhelum=30, Mangla=25, Panjera=15, Bandi Abbaspur=01, Tandali, Mandibahauddin &

Talhatta=Trace(each).

Chenab: Sialkot (Airport=19 & Cantt=07), Barnala & Gujranwala=19(each), Marala=11, Gujrat=03.

Ravi: Lahore (Airport)=05, Narowal=01.

Sutlej:

Others: Ziarat=01, Karachi (Airport) =Trace.

> --sd/--(Shahid Abbas) Chief Meteorologist FFD Lahore

By Fax

Government of Pakistan Ministry of Water Resources Office of Pakistan Commissioner for Indus Waters Suharwardy Road, (Wapda Building), G-7/1, Islamabad.

### FLOOD SEASON 2024 WEEKLY FLOOD/BASE FLOW DATA DATA AT (0600 HRS IST) REGARDING EASTERN RIVERS OBTAINED FROM INTERNET

| Name of Dam |                               | Full Reservoir<br>Level<br>(feet) | Live<br>Storage<br>Capacity<br>at FRL<br>(MAF) | Current<br>Live Storage<br>(MAF) | Current<br>Reservoir<br>Level<br>(Feet) | Storage<br>(%) | Storage<br>last year<br>(%) |
|-------------|-------------------------------|-----------------------------------|--|----------------------------------|---|----------------|-----------------------------|
| i.          | Bhakra Dam on<br>River Sutlej | 1680                              | 5.050  | 2.344<br>08.08.2024              | 1615.37                                 | 46             | 80                          |
| ii.         | Pong Dam on<br>River Beas     | 1390                              | 4.991  | 2.776<br>08.08.2024              | 1335.76                                 | 56             | 75                          |
| iii.        | Thein Dam on<br>River Ravi    | 1732                              | 1.900  | 0,365<br>08.08.2024              | 1625.44                                 | 19             | 84                          |

The data is being shared for flows information,

Dated: 9th Aug 2024

(ADNAN MUMAHAMMAD)

Deputy Commissioner for Indus Waters Tele: 051-9244674

Data source: www.bbmb.gov.in www.cwc.gov.in

### Copy forwarded by Fax to:

- Secretary, Ministry of Water Resources, Islamabad.
- 2. Chief Secretary, GilgitBaltistan, Gilgit.
- 3. Chief Secretary, Government of Azad Jammu and Kashmir, Muzaffarabad.
- Chief Secretary, Government of Punjab, Lahore.
- Chief Secretary, Government of Sindh, Karachi.
- 6. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
- Chief Secretary, Government of Balochistan, Quetta.
- 8. Secretary, Irrigation Department, Punjab, Lahore.
- Secretary, Irrigation Department, Sindh, Karachi.
- Secretary, Irrigation Department, Khyber Pakhtunkhwa, Peshawar.
- Secretary, Irrigation Department, Balochistan, Quetta.
- Director General (Water), Ministry of Water Resources, Islamabad.
- Chairman, National Disaster Management Authority (NDMA), Islamabad.
- CEA/CFFC, Islamabad.
- Chairman, Indus River System Authority (IRSA), Islamabad.
- M.O. Directorate, G.H.Q, Rawalpindi.
- D.G. (Engrs), G.H.Q, Rawalpindi.
- 18. Engineers, 4-Corps, Lahore
- Engineers, 30-Corps, Gujranwala.
- 20. Relief Commissioner/Senior Member, Board of Revenue, Punjab, Lahore.
- D.G. (PDMA) Punjab, 40/A- Lawrence Road, Lahore.
- Chief Engineer (H&WM), Wapda House, Lahore.
- 23. XEN Irrigation, Marala Headwork.
- 24. XEN Irrigation, Kasur.
- 25. Director, Irrigation Department, Government of the Punjab, Lahore.
- Chief Meteorologist, F.F.D. 46-Jail Road, Lahore.
- 27. Office Incharge, F.W.C. 46-Jail Road, Lahore.



| S             | tations     | 1               | Rainfall (mm)        |                    |                 |  |  |
|---------------|-------------|-----------------|----------------------|--------------------|-----------------|--|--|
|               |             | Kash            | mir                  |                    |                 |  |  |
|               | Kotli       |                 | 42                   |                    |                 |  |  |
|               | Barnala     | 37              | 19                   |                    |                 |  |  |
|               | Panjera     | 20              |                      | 15                 |                 |  |  |
| Banc          | li Abbaspur |                 |                      | 01                 |                 |  |  |
|               | Fandali –   | 3               |                      | Trace              |                 |  |  |
|               |             | Punj            | ab                   |                    |                 |  |  |
|               | Jhelum      |                 |                      | 30                 |                 |  |  |
|               | Mangla      |                 |                      | 25                 |                 |  |  |
| G             | ıjranwala   | 98              |                      | 19                 |                 |  |  |
|               | Sialkot     |                 |                      | (A/P 19 & City 07) |                 |  |  |
|               | Lahore      | 88              |                      | (A/P 05)           |                 |  |  |
|               | ır & Gujrat | 86              | 03                   |                    |                 |  |  |
| Murre         | e & Narowal |                 | 01                   |                    |                 |  |  |
|               | ajanpur     | 1               | (Bandu Wala 01)      |                    |                 |  |  |
| Mano          | i Bahauddin |                 | Trace                |                    |                 |  |  |
|               |             | Khyber-Pak      | htunkhwa             |                    |                 |  |  |
|               | Kakul       |                 | 17                   |                    |                 |  |  |
|               | Buner       |                 |                      | 01                 |                 |  |  |
|               |             | Baloch          | istan                |                    |                 |  |  |
| 1             | Barkhan     |                 | 11.                  | 03                 |                 |  |  |
|               |             | Sinc            | ih                   |                    |                 |  |  |
| Karachi       |             |                 | Trace                |                    |                 |  |  |
|               |             | Gilgit-Ba       |                      |                    |                 |  |  |
|               |             | NI              | L                    |                    |                 |  |  |
|               |             | Maximum Wi      | nd Reported          |                    |                 |  |  |
| Station       | Wind (kt)   | Km/hr           | Direc                | ction              | Time (PST)      |  |  |
| Sialkot (A/P) | 20          | 37              | NE                   |                    | 0345            |  |  |
| Kotli         | 20          | 37              | N                    | E                  | 0345            |  |  |
|               | Maximum W   | ater Level at N | ullah Lai (Last 24 F | lours)             | 2.<br>ST        |  |  |
| -             | Station     |                 | Level (Feet)         | Time (PST)         | Flood Situation |  |  |



# FFD Discharge Report

Recorded at: 15-Aug-2024 12:00 PST

| River               | Site      | Site Inflow |               | Outflow         |        |  |  |
|---------------------|-----------|-------------|---------------|-----------------|--------|--|--|
|                     | Tarbela   | 290,000     | ~             | 266,600         | LOW    |  |  |
|                     | Kalabagh  | 313,277     | ~             | 305,277         | LOW    |  |  |
|                     | Chashma   | 318,668     | ~             | 304,218         | LOW    |  |  |
| Indus               | Taunsa    | 366,372     | $\rightarrow$ | 339,372         | LOW    |  |  |
|                     | Guddu     | 347,487     | <b>*</b>      | 319,245         | LOW    |  |  |
|                     | Sukkur    | 389,585     | W             | 346,640         | LOW    |  |  |
|                     | Kotri     | 195,334     | 33/           | 155,979         | NORMA  |  |  |
| Kabul               | Nowshera  | 55,400      | <b>W</b>      | 55,400          | NORMA  |  |  |
| Jhelum              | Mangla    | 52,000      | ~             | 10,000          | NORMA  |  |  |
| Jilelulli           | Rasul     | 9,301       | M             | 5,341           | NORMA  |  |  |
|                     | Marala    | 178,750     | ~/            | 160,950         | MEDIUN |  |  |
|                     | Khanki    | 88,373      | M             | 80,234          | NORMA  |  |  |
| Chenab              | Q.Abad    | 70,272      | N             | 52,272          | NORMA  |  |  |
|                     | Trimmu    | 75,605      | 20            | 62,155          | NORMA  |  |  |
|                     | Panjnad   | 50,122      | **            | 37,282          | NORMA  |  |  |
|                     | Jassar    | 11,454      | ~             | 11,454          | NORMA  |  |  |
| Ravi                | Shahdara  | 12,063      | $\rightarrow$ | 12,063          | NORMA  |  |  |
| Navi                | Balloki   | 44,925      | *             | 16,225          | NORMA  |  |  |
|                     | Sidhnai   | 22,046      | ~             | 8,496           | NORMA  |  |  |
|                     | GS Wala   | 1,014       | *             | 1,014           | NORMA  |  |  |
| Sutlej              | Sulemanki | 23,844      | $\rightarrow$ | 12,578          | NORMA  |  |  |
|                     | Islam     | 6,278       | -             | 5,028           | NORMA  |  |  |
| DAM Current L       |           | evel Max Le |               | evel Dead Level |        |  |  |
| Tarbela Dam 1548.20 |           | (+0.2)      | 155           | 0               | 1402   |  |  |
| Mangla Dam 1211.55  |           | (+0.3)      | 1242 109      |                 | 1050   |  |  |