

**MOST IMMEDIATE/ BY FAX**



F.2 (E)/2023-NDMA (MW/Flood Advisory-VI)  
**Government of Pakistan**  
**Prime Minister's Office**  
**National Disaster Management Authority**  
**ISLAMABAD**



**Dated: 18 August 2023**  
**Time: 1200 hours**

Subject: **High Level Flooding in River Sutlej**

Reference:

- A. PCIW Flood Base Data dated 18 August 2023.
- B. FFD Bulletin Number B-065/23 dated 18 August 2023.
- C. FFD Bulletin Number C-065/23 dated 18 August 2023.
- D. FFD Warning Number W-03/2023 dated 18 August 2023.
- E. NDMA advisory F.2 (E)/2023-NDMA (MW/Flood Advisory-V) of 16 Aug 23.

In reference to NDMA's flood advisory-V (**Ref-E**) and flows data received from FFD/ PMD and PCIW the River Sutlej has attained high level of flows at Ganda Singh Wala. This trend will persist for next 24-48 hours and the flows will be reflected/ passed on downstream to Sulemanki and Islam HWs in next 48 to 76 hours. In light of the high flows and probable dangers/ vulnerability of areas astride the River Sutlej, following measures have to be ensured by all concerned stakeholders:-

- a. **FFC**
  - (1) Ensure implementation of elaborate coordination mechanism for preparedness and mitigation through management/ regulation of water reservoirs/ barrages/ headworks and irrigation canals.
  - (2) The measures must ensure desynchronized releases from all reservoirs/ regulating structures to preclude cumulative flooding in any regions.
  - (3) Plan immediate discharges from regulating structures to build capacity for likely heightened/ increased flows.
- b. **PCIW**. To ensure that flows/ discharge data of eastern rivers is updated regularly for necessary planning/ preparations.
- c. **PMD / FFD**
  - (1) During the forecasted period share 6-hourly weather forecasts to enable timely decision-making and coordinating response.
  - (2) Share 3-hourly updates on river/ nullah flows and reservoir levels to facilitate coordinated water management/ regulation.

- d. **Punjab Irrigation Department.** Take all necessary measures to manage water flow and mitigate flood risks, through following: -
- (1) Implementing effective regulation strategies at headworks/ barrages to optimize the discharge of excess water through irrigation channels.
  - (2) Conduct proactive monitoring / maintenance / repairs of canal systems to enhance their capacity to handle increased flows.
  - (3) Undertake prompt repairs of any breaches / breaks in flood protective works.
- e. **PDMA Punjab and Respective DDMA's**
- (1) Conduct extensive public awareness campaigns through multiple channels, including TV / broadcast / social / print media etc., to ensure that vulnerable communities are well-informed about the anticipated flood situation and necessary precautions.
  - (2) Preposition required machinery, equipment, emergency supplies and personnel in high-risk areas, considering the forecasted severity of flooding.
  - (3) Establish and communicate clear evacuation sites and evacuation routes to affected communities, ensuring they are adequately equipped with essential facilities / resources.
  - (4) Maintain sufficient stocks of essential supplies, including food, clean water, medical provisions, and sanitation supplies in case of emergency.
  - (5) Strategically position flood fighting equipment in areas prone to flooding, ensuring their availability for immediate deployment.
- f. **DM Responders (Local Administrations / Rescue 1122 / LEAs / Line Departments / Armed Forces)**
- (1) Ensure availability / functionality of all essential flood response equipment in flood-prone areas.
  - (2) Ensure full staffing / availability of trained emergency response personnel and designate their duties / areas of deployment in case of emergency.
  - (3) Conduct thorough reconnaissance of vulnerable locations, identifying critical infrastructure / communities that may require additional support and protection.
  - (4) Inform and sensitize residents of low-lying areas / at-risk communities of anticipated flood conditions, potential impacts, evacuation procedures

and precautionary measures.

- (5) Establish temporary shelters in safe locations for displaced individuals and ensure these are equipped with necessary supplies (food, clean drinking water, medical supplies and sanitation facilities).
  - (6) Ensure the availability of trained medical staff and ambulances in strategic locations to provide immediate medical assistance to those affected by floods.
  - (7) Ensure availability of search and rescue teams in critical areas.
- g. **NHA/FWO and Pak Railways**. Continuously monitor the situation and implement all necessary safety measures to ensure the functionality of communication arteries (roads / railway lines / bridges).
- h. **NH&MP**
- (1) Timely inform travelers / tourists regarding anticipated weather / flood conditions, potential hazards, precautionary measures and recommended alternative routes to regulate their travel and ensuring safety.
  - (2) Provide necessary assistance and support to travelers / tourists affected by flood situation, including facilitating evacuations if required.
  - (3) Coordinate with Law Enforcement Agencies to manage and redirect traffic in affected areas to prevent congestion and facilitate emergency response efforts.
- i. Proactively maintain nullahs/ storm water drains to ensure their proper functioning and prevent blockages that may exacerbate flooding.
- j. Ensure immediate stocking of basic commodities, including paramedics and medicine, especially in regions that are likely to get cut-off during flooding.
- k. Activate early warning systems in flash flood-prone areas to promptly alert residents and facilitate their evacuation to safer locations.
- l. Strengthen coordination among all relevant departments and agencies to facilitate the timely sharing of information and resources during emergency situations.
- m. Establish reliable communication channels with local communities to provide timely updates, instructions, and emergency contact information during monsoon season.
- n. Ensure widespread circulation of alerts and advisories, especially in local languages, to raise awareness and sensitize travelers/ tourists and local

communities in at-risk/vulnerable areas.

- o. Ensure round-the-clock monitoring of the situation through EOCs with regular feedback to PEOCs and NEOC.
  - p. Share regular / frequent updates with NDMA in case of any eventuality.
2. **Press Information Department Only**. With the request to ensure wider circulation and public awareness.
3. Forwarded for information / necessary action, please.



**(Muhammad Ali Khan)**  
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***(Distribution List Attached)***

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ID: PRO, NDMA  
Deputy Director ICT, NDMA

Government of Pakistan  
Ministry of Water Resources  
Office of Pakistan Commissioner for Indus Waters  
Suharwady Road, (WAPDA Building), G-7/1, Islamabad.  
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**FLOOD ALERT**  
**FLOOD SEASON 2023**  
**ADVANCE FLOOD FLOWS INFORMATION FROM INDIA**

Office of Indian Commissioner for Indus Waters has intimated that the following sites have entered into the flood regime

Date	Time of Observation (IST)	Time of information from India to Pakistan (PST)	Site	Reported Flow (Cusecs)	Flood Regime	Information conveyed by Telephone to FFD Lahore shift incharge PCIW flood cell
18.08.2023	1200 hrs	1153 hrs	Sutlej River Below Harike Headworks	280,000*	High Flood	1159 hrs
18.08.2023	1200 hrs	1153 hrs	Below Ferozepur Headworks	260,000*	High Flood	1159 hrs

\*Steady Trend

Dated: 18th August 2023



(ADNAN MUHAMMAD)  
Deputy Commissioner for Indus Waters  
Tele: 051-9244674

Copy forwarded by Fax to:

1. Secretary, Ministry of Water Resources, Islamabad.
2. Chief Secretary, Gilgit-Baltistan, Gilgit.
3. Chief Secretary, Government of Azad Jammu and Kashmir, Muzaffarabad.
4. Chief Secretary, Government of Punjab, Lahore.
5. Chief Secretary, Government of Sindh, Karachi.
6. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
7. Chief Secretary, Government of Balochistan, Quetta.
8. Secretary, Irrigation Department, Punjab, Lahore.
9. Secretary, Irrigation Department, Sindh, Karachi.
10. Secretary, Irrigation Department, Khyber Pakhtunkhwa, Peshawar.
11. Secretary, Irrigation Department, Balochistan, Quetta.
12. Joint Secretary (Water), Ministry of Water Resources, Islamabad.
13. Chairman, National Disaster Management Authority (NDMA), Islamabad.
14. CEA/CFFC, Islamabad.
15. Chairman, Indus River System Authority (IRSA), Islamabad.
16. M.O. Directorate, G.H.Q, Rawalpindi.
17. D.G. (Engrs), G.H.Q, Rawalpindi.
18. Engineers, 4-Corps, Lahore
19. Engineers, 30-Corps, Gujranwala.
20. Relief Commissioner/Senior Member, Board of Revenue, Punjab, Lahore.
21. D.G. (PDMA) Punjab, 40/A- Lawrence Road, Lahore.
22. Chief Engineer (H&WM), WAPDA House, Lahore.
23. XEN Irrigation, Marala Headwork.
24. XEN Irrigation, Kasur.
25. Mr. Shakeel, Director, Irrigation Department, Government of the Punjab, Lahore.
26. Mr. Aslam, Chief Meteorologist, FFD. 46-Jail Road, Lahore.
27. Office In charge, FFD. 46-Jail Road, Lahore.

**FFD BULLETIN NO. B-065/23**

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



BULLETIN No. B-065/23

Dated: - 18<sup>th</sup> August, 2023  
Time: - 11:10 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 wind thunderstorm/rain	Scattered wind thunderstorm/rain (Rawalpindi Division)	<b>TARBELA</b>	
JHELUM	-do-	-do- (Sargodha Division)	Current:	<b>1549.60</b>
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	<b>1550.00</b>
RAVI	-do-	-do- (Lahore Division)	<b>MANGLA</b>	
SUTLEJ	-do-	Mainly Dry Weather (Bahawalpur Division)	Current:	<b>1242.00</b> 
			Max Conservation:	<b>1242.00</b>

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

RIVERS	Stations	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs. (Inflow)	Qualitative Forecasted Flood Level (Inflow)
		Inflow	Outflow		
INDUS	Tarbela	208.0	145.8	190-210	Below Low
	Kalabagh	256.7	248.7	270 F 180	Low to Below Low
	Chashma	252.1	230.9	190 R 260	Low
	Taunsa	239.9	220.9	No significant change	Below Low
	Guddu	254.8	225.9	255-265	Low
	Sukkur	186.1	133.5	190-220	-do-
	Kotri	168.0	127.8	No significant change	Below Low
KABUL	Nowshera	34.7	34.7	-do-	-do-
JHELUM	Mangla	24.0	24.8	20-30	-do-
	Rasul	3.1	0.0	No significant change	-do-
CHENAB	Marala	64.0	43.6	55-65	-do-
	Khanki	57.0	48.8	No significant change	-do-
	Qadirabad	45.6	35.6	-do-	-do-
	Trimmu	73.5	59.9	-do-	-do-
	Punjnad	70.5	54.7	-do-	-do-
RAVI	Jassar	27.4	27.4	-do-	-do-
	Shahdara	28.0	28.0	-do-	-do-
	Balloki	46.5	28.5	40-45	Low
	Sidhnai	31.6	13.7	30-32	-do-
SUTLEJ	G.S. Wala	150.0	150.0	180 R 250	Very High
	Sulemanki	63.6	49.9	70 R 150	High
	Islam	31.8	30.1	No significant change	Below Low

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

(Chaudhary Muhammad Aslam)  
Chief Meteorologist  
FFD Lahore

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**FFD BULLETIN NO. C-065/23**



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



BULLETIN No. C-065/23

Dated: - 18<sup>th</sup> August, 2023  
Time: - 11:10 hours (PST)

**SUBJECT: - WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR  
RIVERS CATCHMENTS (19<sup>th</sup> August to 25<sup>th</sup> August, 2023)**

➤ **RAINFALL OUTLOOK:**

Moderate monsoon activity with isolated heavy falls is likely to start over the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej during 22<sup>nd</sup> to 25<sup>th</sup> August, 2023. Light to Moderate rainfall is also expected over the upper catchments of Rivers Indus & Kabul during the same period.

➤ **FLOOD SITUATION IN MAJOR RIVERS: (DUE TO ABOVE RAINFALL OUTLOOK)**

According to latest Hydro-meteorological conditions, River Sutlej at **Sulemanki** is likely to attain **High to Very High Flood Level** on 19<sup>th</sup> August 2023 and at **Islam High Flood Level** from 21<sup>st</sup> August 2023. River Sutlej at **Ganda Sing Wala** has attained **Very High Flood Level** and will remain in this situation depending upon the releases from India.

No High Flood situation is expected in any of the other Major Rivers.

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

**(Chaudhary Muhammad Aslam)  
Chief Meteorologist  
FFD Lahore**



**SIGNIFICANT FLOOD WARNING**



Government Of Pakistan  
Ministry of Aviation (Aviation Division)  
Pakistan Meteorological Department  
Flood Forecasting Division  
46-Jail Road Lahore-54000

Dated the Lahore :18<sup>th</sup> August, 2023  
Time of Issue: 11:10 AM

Warning # No. W-03/2023

**SIGNIFICANT FLOOD WARNING FOR**  
**RIVER SUTLEJ**

- According to available information and latest Hydro-meteorological conditions, River Sutlej at **Sulemanki** is likely to attain **High to Very High Flood Level** from 0600 PST of 19<sup>th</sup> August 2023 and at **Islam High Flood Level** from 21<sup>st</sup> August 2023.
- River Sutlej at **Ganda Sing Wala** has attained **Very High Flood Level** and will remain in this situation depending upon the releases from India.

FFD is continuously monitoring the situation and will inform accordingly.

The concerned agencies are requested to take necessary precautionary measures.

  
(Chaudhary Muhammad Aslam)  
Chief Meteorologist  
FFD Lahore

**Distribution:**

1. President House, Islamabad.
2. Prime Minister House, Islamabad.
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6. Secretary, Ministry of Water & Power, Islamabad.
7. Secretary, Ministry of Climate Change, Islamabad.
8. Chairman NDMA, Islamabad.
9. Chairman, Federal Flood Commission, Islamabad.
10. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.
11. D.G. PDMA, (All Provinces).
12. Chief Secretary (All Provinces).
13. Secretary Irrigation (All Provinces).
14. All other concerned.