



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



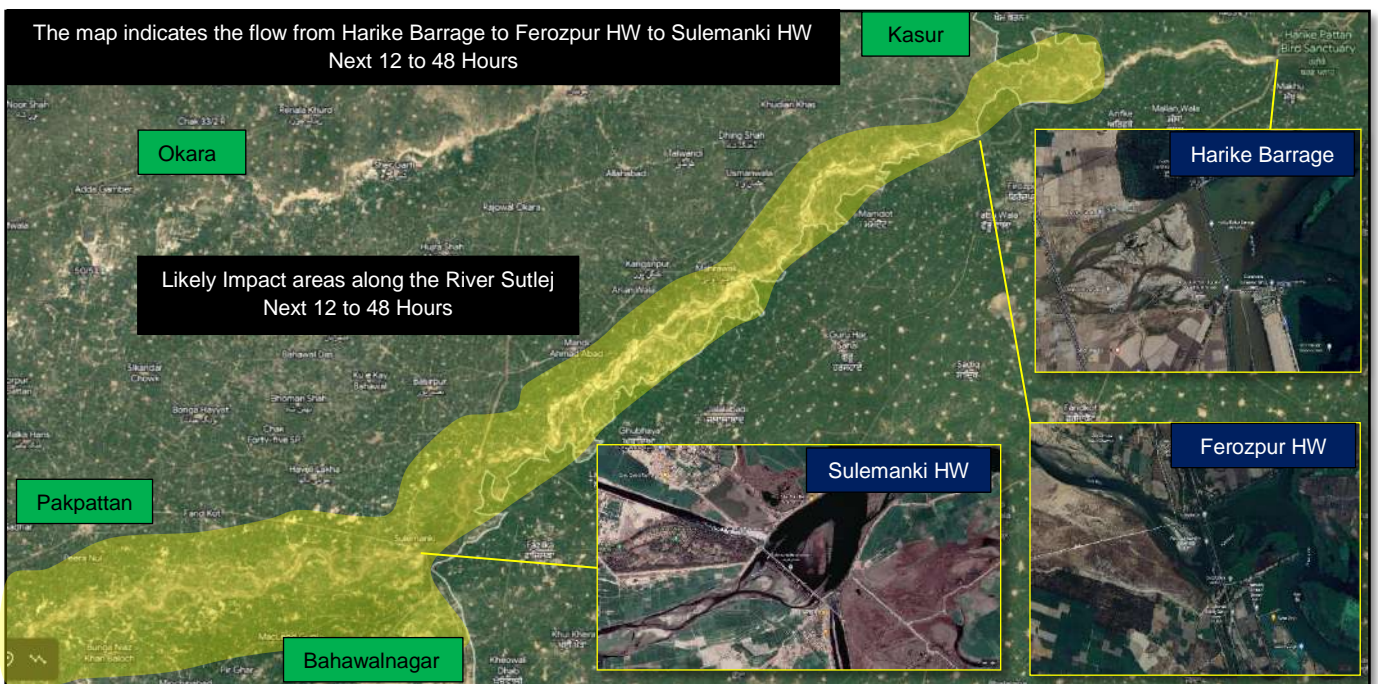
Dated: 11 July 2023
Time: 0900 hours

Subject: **Very High Flows Likely in River Sutlej - Downstream of Harike (India) – GS Wala and Sulemanki (Pakistan) - Next 48 Hours**

In light of the flows data shared by PCIW and FFD on eastern rivers, there is a **Medium level Flood discharge from Harike (India): 205,350 cusecs**. Under the impact the discharge of **Low Flood is recorded from Ferozpur (India): 101,193 cusecs**.

2. This impact will be shifting to **GS Wala in Pakistan over next 24 to 36 hours** and will start impacting the flows at **Sulemanki in next 48 hours**. Current discharge levels from **eastern rivers as per PCIW** are enclosed as **Annex A** and **river flow data from FFD is enclosed as Annex B**.

3. Given the severity of the forecasted weather system, following impacts are expected: -
- a. Inundations of low-lying areas.
 - b. Flooding of crops astride the river bed.
 - c. Inundation of villages, especially the temporary hutments in the region, erected for agriculture purpose by the locals.
 - d. Roads and tracks in the area may be submerged or mud/ kacha tracks may get washed away.



4. Apropos, PDMA Punjab, PMD / FFD, FFC, Rescue 1122, Line Departments, Ministries and Agencies (Federal and Provincial) are required to undertake measures as per respective mandates. However, following is to be ensured by all concerned in addition to measures deemed appropriate as per on ground situation / emergency requirements: -

a. **PMD / FFD**

- (1) During the forecasted period share 6-hourly weather forecasts to enable timely decision-making and coordinating response.
- (2) Share regular updates on river/ nullah flows and reservoir levels to enable coordinated water management/ regulation.

b. **FFC**

- (1) Ensure implementation of elaborate coordination mechanism for preparedness and mitigation through management/ regulation of water reservoirs/ barrages/ headworks and irrigation canals in the area.
- (2) The measures must ensure desynchronised 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.
- (4) Workout the likely impact of accumulated flows along all rivers at Panjnad and downstream.

c. **PID Punjab**. 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.

d. **PDMA Punjab**

- (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. **With special focus on radio and direct contact with the communities in the region as cellular networks may be weak in the likely impact area.**
- (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.
- e. **DM Responders (Local Administrations / Rescue 1122 / LEAs / Line Departments / Armed Forces/ Pakistan Ranger Punjab)**
- (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.
- f. **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).
- g. Proactively maintain nullahs/stormwater drains to ensure their proper functioning and prevent blockages that may exacerbate flooding.
- h. Ensure immediate stocking of basic commodities, including paramedics and medicine, especially in regions that are likely to get cut-off during flooding.
- i. Activate early warning systems in flash flood-prone areas to promptly alert residents and facilitate their evacuation to safer locations.

- j. Strengthen coordination among all relevant departments and agencies to facilitate the timely sharing of information and resources during emergency situations.
 - k. Establish reliable communication channels with local communities to provide timely updates, instructions, and emergency contact information during monsoon season.
 - l. Ensure widespread circulation of alerts and advisories, especially in local languages, to raise awareness and sensitize travellers / tourists and local communities in at-risk/vulnerable areas.
 - m. Ensure round-the-clock monitoring of the situation through EOCs with regular feedback to PEOCs and NEOC.
 - n. Share regular / frequent updates with NDMA in case of any eventuality.
4. **Press Information Department Only.** With the request to ensure wider circulation and public awareness.
5. Forwarded for information / necessary action, please.



(Muhammad Ali Khan)
Director (Response)
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(Distribution List Attached)

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Deputy Director ICT, NDMA

PMD Alert-1

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

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
11-07-2023	10:00 AM	09:50 AM	Sutlej River below Hanke	205,350 Cusecs*	Medium Flood	09:52 AM
-do-	10:00 AM	09:50 AM	Sutlej River below Fetuzepur	101,193 Cusecs*	Low Flood	09:52 AM

* Rising Trend
Dated: 11th July 2023



(MUHAMMAD AFZAL)
Joint Commissioner for Indus Waters
Tele. 051-9244650

Copy forwarded by Fax to

1. Secretary, Ministry of Water Resources, Islamabad.
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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
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12. Joint Secretary (Water), Ministry of Water Resources, Islamabad
13. Chairman, National Disaster Management Authority (NDMA), Islamabad.
14. CEA/CITC, 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, 10-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. Adam, Chief Meteorologist, FFD, 46-Jail Road, Lahore
27. Office in charge, FFD, 46-Jail Road, Lahore

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

BULLETIN No. B-027/23

Dated: - 11th July, 2023
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	Isolated Thunderstorm/Rain	Mainly Dry weather (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1517.21
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	MANGLA	
SUTLEJ	Scattered Thunderstorm/Rain	-do- (Bahawalpur Division)	Current:	1197.30
			Max Conservation:	1242.00

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	155.0	112.8	150-165	Below Low
	Kalabagh	199.0	191.5	No significant change	-do-
	Chashma	230.5	224.8	-do-	-do-
	Taunsa	222.7	197.1	-do-	-do-
	Guddu	188.6	148.8	-do-	-do-
	Sukkur	144.6	89.8	-do-	-do-
	Kotri	73.0	33.2	-do-	-do-
KABUL	Nowshera	51.2	51.2	-do-	-do-
JHELUM	Mangla	50.0	10.0	45-60	-do-
	Rasul	3.4	3.40	No significant change	-do-
CHENAB	Marala	100.9	84.4	80-95	-do-
	Khanki	93.5	86.2	80-90	-do-
	Qadirabad	128.9	113.9	90-120	Low
	Trimmu	31.9	18.4	40-60	Below Low
	Punjnad	21.6	7.8	No significant change	-do-
RAVI	Jassar	36.2	36.2	20-35	-do-
	Shahdara	28.0	28.0	28-35	-do-
	Balloki	35.4	8.3	35-50	Low
	Sidhnai	22.7	6.9	No significant change	Below Low
SUTLEJ	G.S.Wala	27.3	27.3	50 R 150	Medium to High
	Sulemanki	23.6	11.8	25-35	Below Low
	Islam	1.8	0.8	No significant change	-do-

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