



**Government of Pakistan**  
**Ministry of Water Resources**  
**Office of Chief Engineering Advisor/  
Chairman, Federal Flood Commission**

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**DAILY WEATHER & FLOOD SITUATION REPORT**  
**SUNDAY, AUGUST 16, 2020**

At present, there is no riverine flood situation in the country as all main rivers of Indus River System (IRS) are discharging "Normal Flows". Complete picture of river inflows and out flows at important control points including reservoirs levels and storage positions as of 0600 hours today may be seen at **Annexure-I**.

2. **Tarbela Reservoir** is at an elevation of **1526.66 feet (i.e. 23.34 feet** below its Maximum Conservation Level (MCL) of **1550.00 feet** ) whereas **Mangla Reservoir** is at an elevation of **1235.60 feet (i.e. 6.40 feet** below its MCL of **1242.00 feet**). Round-the-Clock monitoring is being exercised by the Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore.

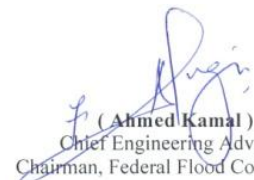
3. According to FFD, Lahore, a fresh trough of Westerly Wave lies over North Eastern parts of Iran. Yesterday's **Well Marked Monsoon Low** over Northwestern Bay of Bengal has moved North-westwards and today lies over Jharkhand (India) whereas **Seasonal Low** lies over Northeastern Balochistan. Weak moist currents from **Arabian Sea & Bay of Bengal** are penetrating into upper parts of the country upto 3000 feet.

4. FFD, Lahore, has forecasted isolated thunderstorm/rain over Punjab (**Rawalpindi, Gujranwala, Sargodha, Lahore, Bahawalpur & D.G. Divisions**), Khyber Pakhtunkhwa (**Bannu, Kohat & D.I. Khan Divisions**), South & South-eastern Sindh and North-eastern Balochistan including upper catchments of all main rivers (i.e. Indus, Jhelum, Chenab, Ravi & Sutlej) during the next 24 hours.

5. In a Weekly Timeframe (**17<sup>th</sup> - 23<sup>th</sup> August 2020**), FFD, Lahore's Rainfall Outlook predicts scattered to wide spread thunderstorm/rain with **isolated heavy falls, few very heavy falls and one or two extremely heavy falls** from **18<sup>th</sup> -21<sup>st</sup> August 2020** over upper catchments of Rivers Indus, Kabul, Jhelum, Chenab & Ravi. As a result, discharges in Rivers Indus, Kabul, Jhelum, Chenab & Ravi including their tributaries i.e. local nullahs are likely to increase from **19<sup>th</sup> August 2020** onwards.

6. The prominent rainfall events during the past 24 hours include: D.G. Khan = 23 mm, Islam Kot = 20 mm, Diplo & Hajira = 09 mm, Kaloi = 08 mm and Brarkot = 06 mm.

7. Round-the-clock active monitoring of prevailing weather system is being carried out by the Pakistan Meteorological Department (PMD) and keeping all concerned fully abreast of the situation through FFD, Lahore.

  
(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.

5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore.
10. Member (Infrastructure), Planning Commission, Islamabad.
11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Highway Authority, Islamabad.
14. Chairman, Indus River System Authority, Islamabad.
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
18. Chief Secretary, Government of Sindh, Karachi.
19. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. Project Director/Chief Engineer, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
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35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
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39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.  
U.O. No.FC-I (31)/2020, dated 16-08-2020

**Discharges at Important River Sites  
August 16, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	241,000	85,000	650,000	Normal
▪ Kalabagh	950,000	196,000	188,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	172,000	165,000	650,000	Normal
▪ Taunsa ^	1,000,000	179,000	153,000	650,000	Normal
▪ Guddu	1,200,000	133,000	100,000	700,000	Normal
▪ Sukkur ^^	900,000	89,000	43,000	700,000	Normal
▪ Kotri	875,000	88,000	51,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		35,000	200,000	Normal
▪ Nowshera			45,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			10,000	150,000	Normal
▪ Munda Head Works ^^	150,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			7,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	21,000	8,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	87,000	56,000	400,000	Normal
▪ Khanki	1,100,000	45,000	37,000	400,000	Normal
▪ Qadirabad	900,000	39,000	22,000	400,000	Normal
▪ Trimmu	645,000	21,000	6,000	450,000	Normal
▪ Panjnad	700,000	12,000	NIL	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		10,000	150,000	Normal
▪ Shahdara	250,000		30,000	135,000	Normal
▪ Balloki	225,000	48,000	15,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	16,000	2,000	175,000	Normal
▪ Islam	300,000	1,000	NIL	175,000	Normal

Live Storage (MAF) +

Reservoir Elevation ( in Feet Above Mean Sea Level )		2020	2019	2018	Maximum	Today	Last Year	
<b>Tarbela:</b>	Maximum Conservation Level:	1550.00	1526.66	1547.19	1543.23	5.980	4.685	5.889
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	643.50	641.50	641.00	0.278	0.089	0.049
	Minimum Operating Level:	637.00						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1235.60	1210.60	1167.25	7.356	6.852	5.025
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>					<b>13.614</b>	<b>11.626</b>	<b>10.963</b>	

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	31.8 °C	27.8 °C
<b>Minimum</b>	16.2 °C	18.0 °C

NOTES: "Mild" Categories

- Low Flood: River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas  
Medium Flood: River partly inundating river islands/belas  
High Flood: River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

"Danger" Categories

- Very High Flood (VHF): River flowing between high banks/bunds with encroachment on the freeboard  
Exceptionally High Flood (EHF): Imminent danger of overtopping/breaching, or the high bank areas have become inundated

\* Flood Classification: (applied on downstream discharge/Outflow)

\*\* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition &amp; NR stands for "Not Received"

+ Based on IRSA's Daily Hydrological Data

^^ PID, Sindh vide letter No. DR/4-17/2015/839 dated 22-04-2015 informed that design discharge capacity of Sukkur Barrage has decreased from 1,500,000 cusecs to 900,000 cusecs due to closing of its ten (10) gates as a result of model study carried out in Poona during 1941-42 to control silting problem in right bank canals.

^ As per PID, Punjab's letter No. IWT&amp;R/14/1108/04/97 dated 17-09-2014

^^^ As per PID, KP's letter No. 1271GSG-II/ dated 11-06-2018