



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

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**DAILY FLOOD SITUATION REPORT
FRIDAY AUGUST 10, 2018**

All main rivers i.e. Indus, Jhelum, Chenab, Ravi & Sutlej are flowing normal, except for River Kabul, which is flowing in Low Flood in Warsak-Nowshera Reach. Present actual main river flows and Tarbela & Mangla reservoir elevations may be seen at **Annexure-I**, indicating levels of **1531.23 feet** and **1159.70 feet** respectively. Tarbela, Chashma & Mangla reservoir's present combined live storage is **7.236 MAF (52.89 % of the total storage capacity i.e. 13.681 MAF)**. Following the gradually increasing inflows at Tarbela, IRSA is ensuring rationalized filling to augment present live storage to a further state of consolidation.

2. According to FFD, Lahore, yesterday's Monsoon Low over Eastern Madhya Pradesh (India) has become insignificant. Seasonal Low lies over Northwestern Balochistan, whereas yesterday's trough of Westerly Wave over Kashmir has moved away Eastwards and a fresh trough of Westerly Wave lies over Northern parts of Iran. Moist currents from Bay of Bengal are penetrating into upper parts of the country upto 3000 feet.

3. Under the influence of prevailing weather system, scattered thunderstorm/rain with isolated moderate falls are expected over the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej during the next 24 hours. Isolated thunderstorm/ rain may also occur over the upper catchment of River Indus including Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha & D.G. Khan Divisions) and Northeastern Balochistan during the same period.

4. Moderate rainfall with isolated heavy falls is expected over the upper catchments of all major rivers from the evening of 11th August 2018. Moderate rainfall with isolated heavy falls may also occur over Rawalpindi, Gujranwala, Lahore, Faisalabad & Sargodha Divisions of Punjab from 12th August 2018. The flows in River Chenab and local nullahs (tributaries of Rivers Ravi & Chenab) are likely to increase from 12th August 2018.

5. Last 24 hours significant rainfall events may be seen at **Annexure-II**.

6. The weather system is being closely monitored by the PMD/ FFD, Lahore and all concerned are being kept informed on 24/7 basis.

Alamgir Khan
Chief Engineer (Floods)

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Reforms, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Director General (Coordination-I), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.

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6. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
 7. Chief Executive Officer, Pakistan Railways, Islamabad.
 8. Member (Infrastructure), Planning Commission, Islamabad.
 9. Pakistan Commissioner for Indus Waters (PCIW), Lahore.
 10. Chairman, WAPDA, WAPDA House, Lahore.
 11. Chairman, National Highway Authority, Islamabad.
 12. Chairman, Indus River System Authority, Islamabad.
 13. Member (Water), WAPDA, WAPDA House, Lahore.
 14. Director General, Pakistan Meteorological Department, Islamabad.
 15. Chief Secretary, Government of the Punjab, Lahore.
 16. Chief Secretary, Government of Sindh, Karachi.
 17. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
 18. Chief Secretary, Government of Balochistan, Quetta.
 19. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
 20. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
 21. Additional Chief Secretary (FATA), FATA Secretariat, Peshawar.
 22. Secretary, Irrigation Department, Government of the Punjab, Lahore.
 23. Secretary, Irrigation Department, Government of Sindh, Karachi.
 24. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
 25. Secretary, Irrigation Department, Government of Balochistan, Quetta.
 26. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
 27. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
 28. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
 29. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
 30. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
 31. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
 32. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
 33. Director General, FATA Disaster Management Authority, Peshawar.
 34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
 35. Principal Information Officer, Press Information Department, Islamabad.
 36. Director (News), APP, Islamabad.
 37. Director (News), PTV, Islamabad.
 38. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
 39. Director, Irrigation & Hydel Power, FATA Secretariat, Warsak Road, Peshawar.
- U.O. No. FC-I (31)/2018, dated 10-08-2018

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Discharges at Important River Sites
August 10, 2018 at 0600 Hours

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood Classification *
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	257,000	202,000	650,000	Normal
▪ Kalabagh	950,000	205,000	197,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	201,000	190,000	650,000	Normal
▪ Taunsa [^]	1,000,000	213,000	185,000	650,000	Normal
▪ Guddu	1,200,000	159,000	128,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	112,000	57,000	700,000	Normal
▪ Kotri	875,000	47,000	5,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		31,000	200,000	Low Flood(F)**
▪ Nowshera			60,000	200,000	Low Flood(F)**
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			9,000	150,000	Normal
▪ Munda Head Works			12,000	150,000	Normal
▪ Charsadda Road Bridge			10,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	37,000	10,000	225,000	Normal
▪ Rasul	850,000	5,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	90,000	56,000	400,000	Normal
▪ Khanki	1,100,000	72,000	64,000	400,000	Normal
▪ Qadirabad	900,000	67,000	45,000	400,000	Normal
▪ Trimmu	645,000	34,000	20,000	450,000	Normal
▪ Panjnad	700,000	17,000	2,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		5,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	52,000	20,000	135,000	Normal
▪ Sidhnai	150,000	16,000	1,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	14,000	2,000	175,000	Normal
▪ Islam	300,000	1,000	NIL	175,000	Normal

Live Storage (MAF) ⁺

Reservoir Elevation (Feet Above Mean Sea Level)		2018	2017	2016	Maximum	Today	Last Year	
Tarbela	(Maximum Conservation Level	1550.00)	1531.23	1544.00	1530.65	6.047	4.995	5.831
	(Dead Level	1386.00)						
Chashma	(Maximum Conservation Level	649.00)	642.00	642.00	647.50	0.278	0.058	0.060
	(Dead Level	638.15)						
Mangla	(Maximum Conservation Level	1242.00)	1159.70	1231.80	1239.35	<u>7.356</u>	<u>2.183</u>	<u>6.608</u>
	(Dead Level	1050.00)						
Total Live Storage					13.681	7.236	12.499	

Today's Skardu Temperature: Maximum 27.6 °C Minimum 16.0 °C
Last Year's Skardu Temperature: Maximum 29.2 °C Minimum 18.1 °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 & 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&R/14/1108/04/97 dated 17-09-2014

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Significant Rainfall Events During the Past 24 Hours

Sr. No	City/ Observatory	Rainfall (in mm)
1.	Bahawalpur	Airport=52 & City=10
2.	Barnala	20
3.	Hajira	13
4.	Murree	12
5.	Muzaffarabad	09
6.	Bhandu Wala, Barkhan & Garhidupatta	06 each
7.	Kasur	05

Source: FFD, Lahore (Phone No. 042- 99200139)