



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

DAILY FLOOD SITUATION REPORT
SUNDAY AUGUST 05, 2018

All main rivers i.e. Indus, Jhelum, Chenab, Ravi & Sutlej continue to flow normal. Today's actual river flows and reservoir elevations may be seen at **Annexure-I**, which indicates that Tarbela & Mangla reservoirs are at elevations of **1519.18 feet** and **1152.20 feet** respectively i.e. **30.82 feet** & **89.80 feet** below their respective **Maximum Conservation Levels of 1550.00 feet and 1242.00 feet**. Present combined live storage in Tarbela, Chashma & Mangla reservoirs is **6.279 MAF (45.89 %** of the total storage capacity i.e. **13.681 MAF)**. IRSA is ensuring rationalized reservoirs filling for effective water management by augmenting present live storage to a further state of consolidation.

2. According to FFD, Lahore, moist currents from Arabian Sea are penetrating into upper parts of the country upto 5000 feet. Seasonal Low continues to prevail over Northwestern Balochistan. Yesterday's trough of Westerly Wave still persists over Northeastern Afghanistan & adjoining areas.

3. For the ensuing 24 hours, FFD, Lahore has predicted moderate thunderstorm/rain at scattered places over upper catchments of all main rivers i.e. Indus, Jhelum, Chenab, Ravi & Sutlej including Rawalpindi & Gujranwala Divisions. Isolated thunderstorm/rain may also occur over Lahore Division during the same period.

4. Moderate wind thunderstorm/ rain with one or two heavy falls are expected over Punjab (Lahore, Gujranwala, Sargodha & Rawalpindi Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu, D.I. Khan, Hazara & Malakand Divisions) and upper catchments of all main rivers i.e. Indus, Jhelum, Chenab Ravi & Sutlej from **6th to 7th August 2018**.

5. No significant rainfall event has been reported by the FFD Lahore during the past 24 hours. The weather system is being closely monitored by the Pakistan Meteorological Department. All concerned are being kept informed by the PMD/ FFD, Lahore on Round-the-Clock basis.


(Alamgir Khan)
Chief Engineer (Floods)
Ph: 051-9244616

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.
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.

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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 05-08-2018

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Discharges at Important River Sites
August 05, 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	165,000	118,000	650,000	Normal
▪ Kalabagh	950,000	203,000	195,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	208,000	192,000	650,000	Normal
▪ Taunsa [^]	1,000,000	199,000	176,000	650,000	Normal
▪ Guddu	1,200,000	166,000	127,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	115,000	60,000	700,000	Normal
▪ Kotri	875,000	39,000	1,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		26,000	200,000	Normal
▪ Nowshera			38,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			8,000	150,000	Normal
▪ Munda Head Works			9,000	150,000	Normal
▪ Charsadda Road Bridge			8,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	26,000	10,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	67,000	33,000	400,000	Normal
▪ Khanki	1,100,000	29,000	22,000	400,000	Normal
▪ Qadirabad	900,000	26,000	5,000	400,000	Normal
▪ Trimmu	645,000	31,000	19,000	450,000	Normal
▪ Panjnad	700,000	31,000	17,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		1,000	150,000	Normal
▪ Shahdara	250,000		19,000	135,000	Normal
▪ Balloki	225,000	37,000	5,000	135,000	Normal
▪ Sidhnai	150,000	19,000	4,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	13,000	1,000	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)	1519.18	1537.00	1524.40	6.047	4.361	5.438
	(Dead Level	1386.00)						
Chashma	(Maximum Conservation Level	649.00)	641.60	645.10	648.50	0.278	0.051	0.130
	(Dead Level	638.15)						
Mangla	(Maximum Conservation Level	1242.00)	1152.20	1229.35	1235.60	7.356	1.867	6.420
	(Dead Level	1050.00)						
Total Live Storage					13.681	6.279	11.988	

Today's Skardu Temperature: Maximum 36.3 °C Minimum 16.2 °C
Last Year's Skardu Temperature: Maximum 32.3 °C Minimum 15.0 °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 & 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