



Government of Pakistan
Ministry of Water and Power
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission

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DAILY FLOOD SITUATION REPORT
SATURDAY AUGUST 12, 2017

No prominent monsoon activity over Pakistan at present. Weak moist currents from the Arabian Sea are penetrating into upper and central parts of Pakistan upto 3000 feet. Weak Seasonal Low lies over North-eastern Balochistan and Westerly Wave trough lies over Northeastern Afghanistan and adjoining Pakistan.

2. Major river flows indicate that Indus is flowing in Low Flood at all control structures except for Kotri Barrage (the last structure across River Indus). River Swat (at Chakdara Bridge) is also flowing in Low Flood. Rivers Kabul, Jhelum, Chenab, Ravi & Sutlej are flowing normal. Latest river discharges (0600 hours today) may be seen at **Annexure-I**.


3. Present Tarbela & Mangla Reservoirs elevations are **1546.00 feet & 1232.90 feet** respectively, which are **4.00 feet & 9.10 feet** below their MCLs of **1550.00 feet** and **1242.00 feet**. Thus the Combined Live Water Storage is **91.64 %** of the total live storage capacity (i.e. **13.856 MAF**). Dam safety guidelines are being kept in focus by the Dam Management Authorities in the entire reservoir operation. Also for effective water management, IRSA is ensuring rationalized reservoirs filling to augment present live storage.

4. FFD, Lahore has predicted scattered thunderstorm/rain with isolated moderate falls over Punjab (Rawalpindi & Gujranwala Divisions) and Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar & Kohat Divisions) during the next 24 hours. Isolated thunderstorm/rain may also occur over Sargodha & Lahore Divisions of Punjab and upper catchments of all the major Rivers during the same period.

5. **For August 13-15, 2017:** Scattered Wind-thunderstorm/rain with isolated heavy falls are expected over Rawalpindi, Gujranwala & D.G. Khan Divisions of Punjab, D.I.Khan, Kohat & Bannu Divisions of Khyber Pakhtunkhwa, Zhob Division of Balochistan and upper catchments of Rivers Jhelum, Chenab & Ravi. Moderate rainfall over Lahore, Sargodha & Faisalabad Divisions of Punjab and upper catchment of River Indus is also likely during this period. The likely rains may generate Medium to High flood discharges in Hill Torrents of D.G. Khan Division with **Sharp Medium Flood Peak in River Jhelum at Mangla (Inflows)**.

6. Significant rainfall events reported by FFD, Lahore during the past 24 hours include: Malamjabba=55 mm, Saidu Sharif=52 mm, Dhok Pathan=40 mm, Noorpur Thal=21 mm, Palandri=15 mm, Sehrkakota=13 mm, Talhatta=12 mm, Domel=11 mm, Rawalakot=10 mm, Muzaffarabad & Chakdara=09 mm each, Garhi Dupatta=08 mm, Kotli & Balakot=06 mm each and Murree=05 mm.

7. The **Weather and Flood Forecast** including last 24 hours rainfall is based on Daily Bulletin of FFD, Lahore, received today at 11:15 AM. PMD is monitoring the present Weather System and all concerned departments are being kept informed by FFD, Lahore.


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Distribution:

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2. Minister for Planning, Development & Reforms, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water & Power, Islamabad.
5. Director General (Coordinator-I), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
6. Additional Secretary (II), Ministry of Water & Power, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
8. Chief Executive Officer, Pakistan Railways, Head Quarter, Lahore.
9. Member (Infrastructure), Planning Commission, Islamabad.
10. Pakistan Commissioner for Indus Waters, Lahore.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chairman, National Highway Authority, Islamabad.
13. Chairman, Indus River System Authority, Islamabad.
14. Member (Water), WAPDA, WAPDA House, Lahore.
15. Director General, Pakistan Meteorological Department, Islamabad.
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17. Chief Secretary, Government of Sindh, Karachi.
18. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
19. Chief Secretary, Government of Balochistan, Quetta.
20. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
21. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
22. Additional Chief Secretary (FATA), FATA Secretariat, Peshawar.
23. Secretary, Irrigation Department, Government of the Punjab, Lahore.
24. Secretary, Irrigation Department, Government of Sindh, Karachi.
25. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
26. Secretary, Irrigation Department, Government of Balochistan, Quetta.
27. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
28. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
29. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
30. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
31. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
32. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
33. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
34. Director General, FATA Disaster Management Authority, Peshawar.
35. Director General (Irrigation & Small Dams), Government of AJ&K, Muzaffarabad.
36. Principal Information Officer, Press Information Department, Islamabad.
37. Director (News), APP, Islamabad.
38. Director (News), PTV, Islamabad.
39. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
40. Director, Irrigation & Hydel Power, FATA Secretariat, Warsak Road, Peshawar.

U.O. No. FC-I (31)/2017, dated 12-08-2017

**Discharges at Important River Sites
August 12, 2017 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	264,000	258,000	650,000	Low Flood(R)
▪ Kalabagh	950,000	301,000	293,000	650,000	Low Flood(F)
▪ Chashma Reservoir	1,000,000	310,000	297,000	650,000	Low Flood(F)
▪ Taunsa ^	1,000,000	294,000	271,000	650,000	Low Flood(R)
▪ Guddu	1,200,000	358,000	327,000	700,000	Low Flood(F)
▪ Sukkur *	1,500,000	391,000	333,000	700,000	Low Flood(S)
▪ Kotri	875,000	136,000	96,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		29,000	200,000	Normal
▪ Nowshera			44,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			27,000	150,000	Low Flood(S)
▪ Munda Head Works			10,000	150,000	Normal
▪ Charsadda Road Bridge			7,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	29,000	10,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	76,000	47,000	400,000	Normal
▪ Khanki ^	1,100,000	66,000	58,000	400,000	Normal
▪ Qadirabad	900,000	61,000	39,000	400,000	Normal
▪ Trimmu	645,000	69,000	60,000	450,000	Normal
▪ Panjnad	700,000	62,000	47,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		27,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	66,000	37,000	135,000	Normal
▪ Sidhnai	150,000	29,000	13,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	26,000	14,000	175,000	Normal
▪ Islam	300,000	4,000	1,000	175,000	Normal

Live Storage (MAF) +

Reservoir Elevation (Feet Above Mean Sea Level)		2017	2016	2015	Maximum	Today	Last Year
Tarbela (Maximum Conservation Level)	1550.00)	1546.00	1533.15	1550.00	6.174	5.945	5.380
(Dead Level)	1380.00)						
Chashma (Maximum Conservation Level)	649.00)	642.00	647.50	642.00	0.276	0.060	0.207
(Dead Level)	637.00)						
Mangla (Maximum Conservation Level)	1242.00)	1232.90	1240.30	1238.70	7.406	6.693	7.268
(Dead Level)	1040.00)						
Total Live Storage					13.856	12.698	12.855

Today's Skardu Temperature: Maximum 27.3 °C Minimum 16.4 °C
Last Year's Skardu Temperature: Maximum 27.6 °C Minimum 14.4 °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

* For Reservoirs, discharges (Inflows/Outflows) are averages of 24 hours.

** 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. IWT&R/14/1108/04/97 dated 17-09-2014 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