



Government of Pakistan
Ministry of Water and Power
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 13, 2017

Presently monsoon activity over Pakistan is not that active. Moist currents from the Arabian Sea are penetrating into upper and central parts of Pakistan upto 3000 feet. Seasonal Low lies over North-eastern Balochistan and yesterday's trough of Westerly Wave over Northeastern Afghanistan today lies over Northern parts of the country.

2. Major river flows indicate that Indus is flowing in Low Flood at Kalabagh, Chashma, Taunsa, Guddu & Sukkur. River Swat at Chakdara Bridge is also flowing in Low Flood. Other main Rivers i.e. Kabul, Jhelum, Chenab, Ravi & Sutlej including Indus at Tarbela & Kotri are flowing normal. Latest river discharges (0600 hours today) may be seen at **Annexure-I**.

3. Tarbela & Mangla Reservoir elevations are **1547.00 feet & 1233.35 feet** respectively (**3.00 feet & 8.65 feet** below their respective MCLs of **1550.00 feet and 1242.00 feet**). The Combined Live Storage of Tarbela, Chashma & Mangla reservoirs as of today is **12.790 MAF**, which is **92.30 %** of the total live storage with **7.70 %** available. 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 heavy falls over Rawalpindi, Gujranwala, Sargodha & D.G. Khan Divisions of Punjab, Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa and upper catchments of River Jhelum, Chenab, Ravi & Sutlej during the next 24 hours. Scattered thunderstorm/rain may also occur over Punjab (Faisalabad & Lahore Divisions), Northeastern Balochistan and upper catchments of Rivers Indus & Ravi during the same period. The likely rains may generate Low to Medium flood discharges in Hill Torrents of D.G. Khan Division. As per FFD, Lahore no significant change in the existing weather pattern is foreseen for the next 72 hours.

5. Mostly dry weather conditions prevailed during the past 24 hours over the country except for 15 mm rain in Gujrat & Zhob, and 12 mm rain in Kohat.

6. The **Weather and Flood Forecast** including last 24 hours rainfall is based on Daily Bulletin of FFD, Lahore, received today at 10:55 AM. PMD is monitoring the present Weather System and all concerned departments are being kept informed by its Flood forecasting Division in Lahore.

(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission
Tel: 051-9244616

Distribution:

1. Minister for Water & Power, Islamabad.
2. Minister for Planning, Development & Reforms, Islamabad.
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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.
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20. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
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22. Additional Chief Secretary (FATA), FATA Secretariat, Peshawar.
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24. Secretary, Irrigation Department, Government of Sindh, Karachi.
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28. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
29. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
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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 13-08-2017

**Discharges at Important River Sites
August 13, 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	245,000	210,000	650,000	Normal
▪ Kalabagh	950,000	297,000	289,000	650,000	Low Flood(F)
▪ Chashma Reservoir	1,000,000	295,000	283,000	650,000	Low Flood(F)
▪ Taunsa ^	1,000,000	298,000	284,000	650,000	Low Flood(R)
▪ Guddu	1,200,000	307,000	273,000	700,000	Low Flood(F)
▪ Sukkur *	1,500,000	355,000	297,000	700,000	Low Flood(F)
▪ Kotri	875,000	163,000	124,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		28,000	200,000	Normal
▪ Nowshera			42,000	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	27,000	10,000	225,000	Normal
▪ Rasul	850,000	8,000	5,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	82,000	53,000	400,000	Normal
▪ Khanki ^	1,100,000	56,000	47,000	400,000	Normal
▪ Qadirabad	900,000	47,000	25,000	400,000	Normal
▪ Trimmu	645,000	65,000	55,000	450,000	Normal
▪ Panjnad	700,000	57,000	42,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		18,000	150,000	Normal
▪ Shahdara	250,000		25,000	135,000	Normal
▪ Balloki	225,000	64,000	34,000	135,000	Normal
▪ Sidhnai	150,000	29,000	13,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	31,000	18,000	175,000	Normal
▪ Islam	300,000	5,000	3,000	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)	1547.00	1534.40	1550.00	6.174	6.002	5.449
(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)	1233.35	1240.80	1239.00	7.406	6.728	7.309
(Dead Level)	1040.00)						
Total Live Storage					13.856	12.790	12.965

Today's Skardu Temperature: Maximum 27.6 °C Minimum 16.0 °C
Last Year's Skardu Temperature: Maximum 29.2 °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