



**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 SEPTEMBER 14, 2018**

All main Rivers i.e. Indus, Jhelum, Chenab, Ravi & Sutlej are flowing normal. Today's actual river inflows & outflows at important river sites including reservoir elevations may be seen at **Annexure-I**. Today's combined live storage capacity of three main reservoirs is **8.577 MAF** which is only **62.69 %** of the total live storage capacity of **13.681 MAF**.

2. Yesterday's trough of Westerly Wave continues to prevail over Northern parts of Pakistan. Marked Seasonal Low lies over Northern Balochistan and bringing in moderate moist currents from Arabian Sea into the upper parts of Pakistan upto 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore, has predicted scattered wind thunderstorm/rain with isolated heavy falls and one or two very heavy falls over the upper catchments of all main Rivers i.e. Indus, Jhelum, Chenab, Ravi and Sutlej, besides over Punjab (Rawalpindi, Gujranwala, Sargodha & D.G. Khan Divisions) and Khyber Pakhtunkhwa (Malakand, Hazara, Kohat, Peshawar & D.I. Khan Divisions). Isolated thunderstorm/rain may also occur over Punjab (Faisalabad & Lahore Divisions) during the same period.

4. **Current Wet Spell is likely to continue during next 48 hours. As a result, flows in Rivers Jhelum & Chenab and tributaries (Local Nullahs) of Rivers Ravi & Chenab alongwith Hill Torrents of D.G. Khan Divisions are likely to increase during the same period.**

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

6. Pakistan Meteorological Department (PMD)/ FFD, Lahore, is monitoring the prevailing meteorological situation over Pakistan on 24/7 basis and keeping all concerned fully informed about the latest situation.

Ather Hameed
Principal River Engineer

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.

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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, Lahore.
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 14-09-2018

Discharges at Important River Sites September 14, 2018 at 0600 Hours

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	110,000	137,000	650,000	Normal
▪ Kalabagh	950,000	190,000	183,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	182,000	160,000	650,000	Normal
▪ Taunsa [^]	1,000,000	163,000	140,000	650,000	Normal
▪ Guddu	1,200,000	114,000	84,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	79,000	30,000	700,000	Normal
▪ Kotri	875,000	41,000	NIL	650,000	Normal
River Kabul					
▪ Warsak	540,000		13,000	200,000	Normal
▪ Nowshera			15,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			4,000	150,000	Normal
▪ Munda Head Works			5,000	150,000	Normal
▪ Charsadda Road Bridge			4,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	16,000	11,000	225,000	Normal
▪ Rasul	850,000	7,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	37,000	10,000	400,000	Normal
▪ Khanki	1,100,000	15,000	7,000	400,000	Normal
▪ Qadirabad	900,000	12,000	NIL	400,000	Normal
▪ Trimmu	645,000	13,000	NIL	450,000	Normal
▪ Panjnad	700,000	10,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		2,000	150,000	Normal
▪ Shahdara	250,000		20,000	135,000	Normal
▪ Balloki	225,000	29,000	NIL	135,000	Normal
▪ Sidhnai	150,000	16,000	NIL	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	14,000	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)	1538.18	1528.44	1530.43	6.047	5.376	4.972
	(Dead Level	1386.00)						
Chashma	(Maximum Conservation Level	649.00)	644.40	645.80	646.00	0.278	0.110	0.149
	(Dead Level	638.15)						
Mangla	(Maximum Conservation Level	1242.00)	1178.40	1223.10	1228.35	<u>7.356</u>	<u>3.091</u>	<u>5.959</u>
	(Dead Level	1050.00)						
Total Live Storage						13.681	8.577	11.080

Skardu Temperature	September 14, 2018	September 14, 2017
Maximum	29.6 °C	23.2 °C
Minimum	9.2 °C	10.4 °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

* **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.	Panjera	35
2.	Islamabad	New Airport=32, Saidpur & Golra=17 each, Bokra=14, Zeropoint & Old Airport=05 each.
3.	Haraman	25
4.	Palandri	24
5.	Gujranwala	20
6.	Mangla	19
7.	Kallar & Kotli	18 each
8.	Balakot	16
9.	Brarkot & Mandibahauddin	15 each
10.	Palote & Marala	13 each
11.	Gujrat	12
12.	Sialkot, Jhelum & Murree	11 each
13.	Chattar Kallas, Muzaffarabad & Kakul	10 each
14.	Tarbela	09
15.	Domel	08
16.	Bandi Abbaspur, Tandali & Rawalakot	07 each
17.	Barnala & Lower Dir	05 each

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