



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

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**DAILY WEATHER & FLOOD SITUATION REPORT
SUNDAY JULY 05, 2020**

Presently, all main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing in Normal Flow conditions as reflected in **Annexure-I**. The present Combined Live Storage of the three major reservoirs (Tarbela, Mangla & Chashma) is **7.416 MAF** which is **54.47 %** of the **total existing Live Storage Capacity (i.e. 13.614 MAF)**. In the context of much higher water level at Mangla Reservoir this year as compared to previous year, the Mangla Dam Management Authority is advised to exercise utmost care and vigilance in reservoir operation in coordination with Mangla Dam Flood Mitigation Committee (FMC) as per prevailing SOPs and based on Dam Safety Guidelines.

2. Yesterday's trough of Westerly Wave over North-Eastern Afghanistan and adjoining Pakistan today lies over Northern parts of the country. Yesterday's Cyclonic Circulation over Southern Gujrat (India) has intensified into Low Pressure Area and remained stationary. Marked Seasonal Low continues to prevail over North-Eastern Balochistan with moist currents of moderate intensity from Arabian Sea and Bay of Bengal are penetrating into upper parts of the country upto 5000 feet.

3. As predicted by the FFD, Lahore, scattered wind thunderstorm/rain of moderate intensity with isolated heavy falls is expected over Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore and Bahawalpur Divisions), Khyber Pakhtunkhwa, North-Eastern Balochistan, Gilgit-Baltistan and Kashmir, besides, upper catchments of all the major rivers during the next 24 hours. Monsoon rains with isolated heavy falls and very heavy falls at few places are expected over Sindh and Eastern Balochistan during the period 6th to 9th July 2020. Significant rainfall events reported in the country during the past 24 hours are at **Annexure-II**.

4. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on round the clock basis and keeping all concerned informed through FFD, Lahore.


(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Director General (Coordination-III), 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), Islamabad.
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. Secretary, Irrigation Department, Government of the Punjab, Lahore.
22. Secretary, Irrigation Department, Government of Sindh, Karachi.
23. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
24. Secretary, Irrigation Department, Government of Balochistan, Quetta.
25. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
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, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
34. Principal Information Officer, Press Information Department, Islamabad.
35. Director (News), Associated Press of Pakistan, Islamabad.
36. Director (News), Pakistan Television, Islamabad.
37. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
U.O. No. FC-I (31)/2020, dated 05-07-2020

**Discharges at Important River Sites
July 05, 2020 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	176,000	146,000	650,000	Normal
▪ Kalabagh	950,000	219,000	212,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	222,000	216,000	650,000	Normal
▪ Taunsa [^]	1,000,000	220,000	194,000	650,000	Normal
▪ Guddu	1,200,000	166,000	127,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	113,000	56,000	700,000	Normal
▪ Kotri	875,000	45,000	3,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		37,000	200,000	Normal
▪ Nowshera			62,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			21,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		17,000	150,000	Normal
▪ Charsadda Road Bridge			15,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	48,000	21,000	225,000	Normal
▪ Rasul	850,000	19,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	72,000	40,000	400,000	Normal
▪ Khanki	1,100,000	41,000	34,000	400,000	Normal
▪ Qadirabad	900,000	42,000	20,000	400,000	Normal
▪ Trimmu	645,000	25,000	10,000	450,000	Normal
▪ Panjnad	700,000	26,000	10,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		12,000	150,000	Normal
▪ Shahdara	250,000		24,000	135,000	Normal
▪ Balloki	225,000	43,000	13,000	135,000	Normal
▪ Sidhnai	150,000	19,000	4,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	14,000	2,000	175,000	Normal
▪ Islam	300,000	3 000	1,000	175,000	Normal

Live Storage (MAF)⁺

<u>Reservoir Elevation (in Feet Above Mean Sea Level)</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>Maximum</u>	<u>Today</u>	<u>Last Year</u>
Tarbela: Maximum Conservation Level:	1550.00	1460.87	1412.45	1390.59	5.980	1.639
Minimum Operating Level:	1392.00					0.347
Chashma: Maximum Conservation Level:	649.00	643.70	643.70	641.60	0.278	0.093
Minimum Operating Level:	637.00					0.093
Mangla: Maximum Conservation Level:	1242.00	1220.05	1140.65	1120.95	<u>7.356</u>	<u>1.424</u>
Minimum Operating Level:	1050.00				<u>5.684</u>	<u>1.424</u>
Total Live Storage				13.614	7.416	1.864

Skardu Temperature	Today 2020	Last year 2019
Maximum	27.3 °C	30.8 °C
Minimum	16.2 °C	21.0 °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

^^^ As per PID, KP's letter No. 1271GSG-II/ dated 11-06-2018

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Significant Rainfall Events during the Past 24 Hours

Sr. No	City/Observatory	Rainfall (mm)
1.	Hafizabad	51
2.	Chakwal	47
3.	Joharabad	42
4.	Islamabad (Saidpur)	39
5.	Vehova	30
6.	Besham	29
7.	Sargodha (Airport & Bhoun)	28 each
8.	Golra	28
9.	Layyah	24
10.	Dir & Sahiwal	23 each
11.	Mianwali	21
12.	Malamjaba	17
13.	Narowal	16
14.	Okara	15
15.	Lahore (Airport)	12
16.	Mandi Bahauddin & Noorpur Thal	10 each
17.	Sialkot (Airport & Tajpura)	09 each
18.	Shahi Qilla, Lukshmi & Samanabad	8 each
19.	Bannu, Gujrat & Upper Mall	07 each
20.	Gupis, Misri Shah & Mughal Pura	06 each

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