



**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
FRIDAY, JULY 03, 2020**


All the major rivers of the country are flowing normal as indicated in **Annexure-I**. Present Combined Live Storage is **7.266 MAF** which is **53.37 %** of **13.614 MAF (Total Live Storage Capacity)**. The Mangla Dam Management Authority is advised to exercise maximum care and vigilance in reservoir operation with coordination of Mangla Dam Flood Mitigation Committee (FMC) as per approved SOPs and based on Dam Safety Guidelines. This is much required in view of much higher reservoir level this year compared to last year (1218.55 feet vs 1138.15 feet).

2. Westerly Wave trough over Northern parts of Afghanistan has remained stationery with Seasonal Low continues to prevail over Northeastern Balochistan. FFD, Lahore, has reported development of a cyclonic circulation over Southern Gujarat (India). Combined moist currents from the Arabian Sea and the Bay of Bengal are penetrating into upper parts of Pakistan up to 3000 feet and likely to intensify. (Refer to FFD, Lahore, Bulletin, dated July 03, 2020)

3. FFD, Lahore, has predicted isolated thunderstorm/ rain over Rawalpindi, Sargodha, Lahore, Multan & D.G. Khan Divisions (Punjab Province), Malakand, Hazara, Peshawar, Kohat & D.I Khan Divisions (Khyber Pakhtunkhwa) besides over Kashmir and Northeastern Balochistan including upper catchments of Rivers Indus, Jhelum & Chenab during the next 24 hours. No significant rainfall event has been reported during past 24 hours except for Turbat =18 mm.

4. Further to above, FFD, Lahore, has predicted scattered wind thunderstorm/rain of moderate intensity with isolated heavy falls over upper catchments of all the major rivers including Khyber Pakhtunkhwa, Gilgit Baltistan, Punjab, Kashmir & Northeast Balochistan during the ensuing **48 hours**.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system and is 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.
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19. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
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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 03-07-2020

**Discharges at Important River Sites
July 03, 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	152,000	153,000	650,000	Normal
▪ Kalabagh	950,000	221,000	214,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	221,000	215,000	650,000	Normal
▪ Taunsa [^]	1,000,000	219,000	191,000	650,000	Normal
▪ Guddu	1,200,000	154,000	118,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	108,000	52,000	700,000	Normal
▪ Kotri	875,000	44,000	2,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		42,000	200,000	Normal
▪ Nowshera			61,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			18,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		14,000	150,000	Normal
▪ Charsadda Road Bridge			15,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	51,000	21,000	225,000	Normal
▪ Rasul	850,000	16,000	8,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	68,000	35,000	400,000	Normal
▪ Khanki	1,100,000	33,000	25,000	400,000	Normal
▪ Qadirabad	900,000	35,000	13,000	400,000	Normal
▪ Trimmu	645,000	22,000	7,000	450,000	Normal
▪ Panjnad	700,000	22,000	6,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		9,000	150,000	Normal
▪ Shahdara	250,000		22,000	135,000	Normal
▪ Balloki	225,000	43,000	12,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	15,000	2,000	175,000	Normal
▪ Islam	300,000	4 000	2,000	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	1461.13	1408.31	1395.35	5.980	1.649	0.254
Minimum Operating Level: 1392.00						
Chashma: Maximum Conservation Level: 649.00	640.90	646.40	640.90	0.278	0.038	0.166
Minimum Operating Level: 637.00						
Mangla: Maximum Conservation Level: 1242.00	1218.55	1138.15	1117.85	<u>7.356</u>	<u>5.579</u>	<u>1.338</u>
Minimum Operating Level: 1050.00						
Total Live Storage				13.614	7.266	1.758

Skardu Temperature	Today 2020	Last year 2019
Maximum	30.9 °C	30.3 °C
Minimum	13.4 °C	19.0 °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