



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
SATURDAY JULY 11, 2020


All main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are presently flowing in "Normal Flow" condition with no riverine flood situation in the country. Combined Live Storage of Tarbel, Mangla & Chashma is **7.744 MAF (56.88%** of the total existing Live Storage Capacity i.e. **13.614 MAF**) as reflected in **Annexure-I**. In the context of much higher water level at Mangla Reservoir this year as compared to previous year, the Mangla Dam Management is strongly advised to remain extra vigilant and ensure regulated discharges as per approved SOPs and prevailing dam safety guidelines. Strong coordination among all members of Flood Mitigation Committee (FMC) from now onwards would be mandatory. At present Tarbela and Mangla reservoirs are **27%** and **81%** filled with **4.344 MAF** and **1.373 MAF** respectively storage still available.

2. As reported by FFD, Lahore, yesterday's Westerly Wave trough over Northeastern Afghanistan has slightly moved towards Eastwards and today persists over North Western parts of the country. It is likely move further Eastwards towards Northern parts of the country and likely to remain stagnant there for next 72 hours. Moderate moist currents from Arabian sea are penetrating into upper parts of the country upto 5000 feet besides Seasonal Low lies over Northeastern Balochistan and adjoining areas.

3. For the ensuing 24 hours, FFD, Lahore, has predicted, scattered wind thunderstorm/rain of moderate intensity with isolated **Heavy Falls** over Punjab (Rawalpindi, Sargodha, Gujranwala & Lahore Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D I Khan Divisions) besides, scattered thunderstorm/rain of moderate intensity over Faisalabad, Sahiwal, Multan & D G Khan Divisions of Punjab, Malakand & Hazara Divisions of Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir including the upper catchments of all the major rivers. Isolated wind thunderstorm/rain is also expected over Bahawalpur Division of Punjab & Northeastern Balochistan during the same period. Reportable rainfall events during the past 24 hours may be seen at **Annexure-II**.

4. According to FFD, Lahore, "Moderate Flooding" is expected in the Hill Torrents of DG Khan Division during the **next 24 Hours**. Further "Urban Flooding" is also expected in low lying areas of Lahore District during **next 48 Hours**.

5. Pakistan Meteorological Department (PMD) is actively monitoring the prevailing weather system with regards to its movement and intensity on Round-the-Clock basis and is keeping all concerned informed through its central Flood Forecasting Division in Lahore.


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

Distribution:

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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 11-07-2020

**Discharges at Important River Sites
July 11, 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	172,000	140,000	650,000	Normal
▪ Kalabagh	950,000	227,000	220,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	650,000	Normal
▪ Taunsa [^]	1,000,000	214,000	189,000	650,000	Normal
▪ Guddu	1,200,000	164,000	125,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	119,000	62,000	700,000	Normal
▪ Kotri	875,000	54,000	11,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		36,000	200,000	Normal
▪ Nowshera			56,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			19,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		15,000	150,000	Normal
▪ Charsadda Road Bridge			14,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	44,000	31,000	225,000	Normal
▪ Rasul	850,000	8,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	68,000	35,000	400,000	Normal
▪ Khanki	1,100,000	35,000	27,000	400,000	Normal
▪ Qadirabad	900,000	42,000	20,000	400,000	Normal
▪ Trimmu	645,000	23,000	8,000	450,000	Normal
▪ Panjnad	700,000	15,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		10,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	48,000	16,000	135,000	Normal
▪ Sidhnai	150,000	19,000	3,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	18,000	6,000	175,000	Normal
▪ Islam	300,000	2,000	1,000	175,000	Normal

Live Storage (MAF) ⁺

Reservoir Elevation (in Feet Above Mean Sea Level)	2020	2019	2018	Maximum	Today	Last Year	
Tarbela: Maximum Conservation Level:	1550.00	1460.80	1446.36	1388.27	5.980	1.636	1.164
Minimum Operating Level:	1392.00						
Chashma: Maximum Conservation Level:	649.00	645.00	645.70	638.15	0.278	0.125	0.145
Minimum Operating Level:	637.00						
Mangla: Maximum Conservation Level:	1242.00	1224.10	1154.70	1119.55	<u>7.356</u>	<u>5.983</u>	<u>1.972</u>
Minimum Operating Level:	1050.00						
Total Live Storage				13.614	7.744	3.281	

Skardu Temperature	Today 2020	Last year 2019
Maximum	29.3 °C	33.6 °C
Minimum	12.2 °C	22.0 °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)
A	Azad Jammu and Kashmir	
1.	Haraman	08
2.	Muzaffarabad	02
B	Gilgit-Baltistan	
1.	Bunji	03
C	Punjab	
1.	Bhoun (Chakwal)	36
2.	Narowal	14
3.	Chakwal & Aik Nullah(Ura) each	05
4.	Sialkot (Cantt)	04.
5.	Tandali	02
6.	Sindh	
7.	Karachi(Surjani Town)	01
D	Khyber Pakhtunkhwa	
1.	Malam Jabba	21
2.	Buner	17
3.	Saidu Sharif	06
4.	Balakot	02

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