



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 12, 2020

At present there is no riverine flood situation and all main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing normal. Today's Combined Live Storage of Tarbel, Mangla & Chashma is **7.773 MAF (57.09 % of 13.614 MAF)** as indicated in **Annexure-I**. Tarbela Dam has attained water level of **1460.42 feet** against Maximum Conservation Level of **1550.00 feet** (i.e. **89.58 feet** storage space is available for impounding of water), while Mangla Dam has attained water level of **1224.60 feet** against Maximum Conservation Level of **1242.00 feet** (i.e. **17.40 feet** storage space is still available for impounding of water). In the context of much higher water level at Mangla Reservoir, 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.


2. As per the report of FFD, Lahore, yesterday's Westerly Wave trough over Northwestern parts of the country has moved towards Eastwards and today lies over Northern parts of the country. Moderate moist currents from Arabian sea are still penetrating into upper parts of the country upto 5000 feet besides Seasonal Low lies over Northeastern Balochistan and its trough is extending Northeastwards.

3. FFD, Lahore, has predicted scattered wind thunderstorm/rain of moderate intensity with isolated **Heavy Falls** over Sargodha, Gujranwala, Bahawalpur, Multan & D G Khan Divisions of Punjab, Peshawar, Kohat, Bannu & D I Khan Divisions of Khyber Pakhtunkhwa & Eastern Balochistan during the next 24 hours. Scattered thunderstorm/rain of moderate intensity may also occur over Punjab (Lahore, Faisalabad & Sahiwal Divisions), Khyber Pakhtunkhwa (Malakand & Hazara Divisions), Gilgit Baltistan, Kashmir including the upper catchments of all the major rivers during the next 24 hours.

4. Appreciable amount of rainfall occurred during the past 24 hours has been reported by the FFD, Lahore. **Annexure-II** depicts the details.

5. According to FFD, Lahore, "Moderate Flooding" is expected in the Hill Torrents of DG Khan Division and Nullahs in the eastern Balochistan during the **next 24 Hours**.

6. Pakistan Meteorological Department (PMD) is actively monitoring the prevailing weather system 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:

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 12-07-2020

**Discharges at Important River Sites
July 12, 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	169,000	152,000	650,000	Normal
▪ Kalabagh	950,000	223,000	215,000	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	113,000	56,000	700,000	Normal
▪ Kotri	875,000	59,000	16,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		32,000	200,000	Normal
▪ Nowshera			60,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			15,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		15,000	150,000	Normal
▪ Charsadda Road Bridge			13,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	47,000	25,000	225,000	Normal
▪ Rasul	850,000	23,000	16,000	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	35,000	13,000	400,000	Normal
▪ Trimmu	645,000	15,000	NIL	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		26,000	135,000	Normal
▪ Balloki	225,000	50,000	19,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	18,000	5,000	175,000	Normal
▪ Islam	300,000	3,000	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	1460.42	1453.94	1392.20	5.980	1.620	1.417
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	645.30	645.90	638.15	0.278	0.133	0.150
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1224.60	1157.05	1119.75	7.356	6.020	2.071
	Minimum Operating Level:	1050.00						
Total Live Storage					13.614	7.773	3.638	

Skardu Temperature	Today 2020	Last year 2019
Maximum	30.8 °C	32.4 °C
Minimum	17.4 °C	20.0 °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	Islamabad	[Zeropoint=58,Shamsabad=52, Bokra=22]
B	Azad Jammu and Kashmir	
1.	Mangla	33
2.	Brarkot	32
3.	Muzaffarabad	24
4.	Bandi Abbaspur	23
5.	Haraman	12
6.	Kotli	10
7.	Muzaffarabad (City) & Chattar Kallas	09 each
8.	Chakothi	06
C	Gilgit-Baltistan	
	Astore	07
D	Punjab	
1.	Lahore	{Taj Pura=48, Shahi Qilla=39,Airport=38,Township=36,Misri Shah=35,Jail Road &Upper Mall=32,(each),Shahdara=31,Gulshan e Ravi=30,Gulberg=29,Lukshmi=28,Samanabad &Punjab University=25(each) Johar Town=18,Iqbal Town & Mughal Pura=16(each)}
2.	Sargodha (Airbase)	44
3.	Sialkot	(Cantt=43 & Airport=24)
4.	Khanewal & Chaklala (Airbase)	37 each
5.	Tandali	34
6.	Mandi Bahauddin	31
7.	Faisalabad	30
8.	Jhelum	25
9.	Hafizabad & Gujranwala(each)	19
10.	Domel & Golra	18 each
11.	Kallar	15
12.	Joharabad & Panjera each	14
13.	Kasur	12
14.	Chakwal, Hafizabad ,Gujranwala & Shadiwal	09 each
15.	Noorpur Thal	08
E	Khyber Pakhtunkhwa	
1.	Buner & Kakul (each)	19
2.	Malam Jabba & Peshawar (City) (each)	17
3.	Tarbela	08

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