



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
MONDAY JULY 13, 2020


At present, there is "No Flood Situation" in the country and all main rivers of Indus River System are discharging "Normal Flows". Water availability owing to healthy reservoir position is quite prominent. Tarbela, Chashma and Mangla reservoirs cumulatively have attained a storage of **7.780 MAF (57.15% of total 13.614 MAF)** against **4.002 MAF (29.40% of total 13.614 MAF)** of **July 13, 2019**. In view of an appreciable high level of Mangla reservoir (**1224.95 feet Vs MCL: 1242.00 feet**) extra vigilance both by the Mangla Dam Management and Flood Mitigation Committee (FMC) is seen as an absolute necessity to ensure dam safety and to regulate any release as a consequence of flood generating meteorological activity.

2. Trough of Westerly Wave earlier over Northern parts of Pakistan presently lies over Kashmir and adjoining areas with weak Seasonal Low over Northeastern Balochistan. Moist currents generated from the Arabian Sea are penetrating upto 4000 feet into the upper parts of Pakistan (**FFD, Lahore Bulletin No. A-029/ 20 dated 13th July 2020**).

3. Isolated wind thunderstorm/ rain may occur over Punjab (Rawalpindi, Faisalabad, Sargodha, Gujranwala, Lahore, Sahiwal, Bahawalpur, Multan & D.G. Khan Divisions), Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions), Eastern Balochistan, Gilgit Baltistan and Kashmir besides over the upper catchments of all the major rivers during the **next 24 hours**. FFD, Lahore has also predicted mild flows in the Hill Torrents of D.G. Khan Division and Nullahs of Eastern Balochistan during the **same next 24 hours**.

4. Some good rains have been reported by FFD, Lahore in Punjab, Sindh, Khyber Pakhtunkhwa and AJ&K (**Annexure-II**).

5. Pakistan Meteorological Department (PMD) is actively monitoring the prevailing monsoon weather and for that purpose its Central Flood Forecasting Division in Lahore is working Round-the-Clock and keeping all concerned fully informed.


(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.
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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 13-07-2020

**Discharges at Important River Sites
July 13, 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	159,000	153,000	650,000	Normal
▪ Kalabagh	950,000	234,000	227,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	650,000	Normal
▪ Taunsa [^]	1,000,000	219,000	193,000	650,000	Normal
▪ Guddu	1,200,000	164,000	126,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	115,000	58,000	700,000	Normal
▪ Kotri	875,000	69,000	26,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		34,000	200,000	Normal
▪ Nowshera			59,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			16,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		14,000	150,000	Normal
▪ Charsadda Road Bridge			14,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	37,000	19,000	225,000	Normal
▪ Rasul	850,000	19,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	68,000	35,000	400,000	Normal
▪ Khanki	1,100,000	31,000	23,000	400,000	Normal
▪ Qadirabad	900,000	34,000	12,000	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	46,000	17,000	135,000	Normal
▪ Sidhnai	150,000	17,000	1,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	17,000	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	1459.85	1460.78	1397.40	5.980	1.596	1.694
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	645.50	645.60	641.00	0.278	0.139	0.142
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1224.95	1159.30	1119.75	<u>7.356</u>	<u>6.045</u>	<u>2.166</u>
	Minimum Operating Level:	1050.00						
Total Live Storage					13.614	7.780	4.002	

Skardu Temperature	Today 2020	Last year 2019
Maximum	26.6 °C	34.5 °C
Minimum	13.1 °C	23.0 °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	Punjab	
1.	Shadiwal	70
2.	Faisalabad	44
3.	Sahiwal	30
4.	Phulra	25
5.	Jhang	15
6.	Okara	13
7.	Noorpur Thal & Lahore (Lukshmi)	06 each
B	Sindh	
1.	Rohri	56
2.	Larkana	27
3.	Sukkur	11
C	Khyber Pakhtunkhwa	
1.	Peshawar	(City=25 & Airport=15),
2.	Dir	10
3.	Kakul	09
4.	Mirkhani	08
5.	Daggar	05
D	Azad Jammu and Kashmir	
1.	Muzaffarabad	(City=13 & Airport=10)
2.	Chakothe	12
3.	Brarkot	10
4.	Chattar Kallas	09
5.	Domel	08
6.	Mangla	06
7.	Balakot	05

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