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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY SEPTEMBER 19, 2022

Except for **River Indus** which is flowing in **"Low Flood"** at **Kotri** (the last control structure before Arabian Sea) all main rivers of Indus River system (Jhelum, Chenab, Ravi & Sutlej) including Indus at rest of control structures are discharging **Normal Flows. Annexure-I** depicts main rivers inflows/outflows at important control structures at 0600 hours today.

2. Since the last 23 days (August 28, 2022), **Tarbela Reservoir** is being maintained at its **Maximum Conservation Level** of **1550.00 feet.** Due to continuously prevailing hydrological conditions upstream Mangla reservoir (River Jhelum) during the entire 2022-Monsoon, **Mangla Dam** is still **49 feet** short of its **Maximum Conservation Level (1242.00 feet).** In view of deficient inflows the present storage is **3.908 MAF (53.13 % of Total).**

3. According to FFD, Lahore **Weak Seasonal Low** continues to prevail over Western Balochistan, with "Mild" moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 2000 feet. Mainly dry weather is expected over most parts of the country. However, isolated thunderstorm/rain is expected over upper catchment of River Indus during the next 24 hours.

4. O/o Pakistan Commissioner for Indus Water (PCIW) is to ensure availability of latest **Flood/ Base Flow Data** on **Indian Structures/ Reservoirs** on **Rivers Sutlej**, **Beas** and **Ravi** presently close to their respective Maximum Conservation Levels (MCLs).

5. **PDMAs/DDMAs** are advised to remain **Alert & Vigilant** for required timely actions on warnings issued by the concerned organizations.

6. Pakistan Meteorological Department (PMD) is closely monitoring the present weather system over the country and is keeping all concerned fully informed through FFD, Lahore.

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

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6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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26. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
45. Managing Director, WASA, Rawalpindi.
46. Principal Information Officer, Press Information Department, Islamabad.
47. Director (News), Associated Press of Pakistan, Islamabad.
48. Director (News), Pakistan Television, Islamabad.
49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No.FC-I (31)/2022, Dated 19-09-2022

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ANNEXURE-I

Rivers and Reservoir Positions
September 19, 2022 at 0600 Hours

A. River Flow Situation:

(Discharge in Cusecs)

Structures	Designed Capacity	Historic Peak Floods experienced to-date*		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	102,000	163,000	104,000	94,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	135,000	127,000	120,000	112,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	166,000	143,000	153,000	135,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	137,000	116,000	133,000	115,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	130,000	97,000	138,000	129,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	71,000	19,000	146,000	139,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	27,000	2,000	273,000	243,000	Low Flood (F)	650,000
River Kabul									
• Warsak	540,000				14,000		16,000	Normal	200,000
• Nowshera		450,000	29-07-2010		15,000		28,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		7,000		7,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		2,000		8,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		2,000		8,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	18,000	26,000	18,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	29,000	8,000	14,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	30,000	5,000	34,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	1,000	11,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	21,000	NIL	14,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	37,000	21,000	22,000	5,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	28,000	11,000	18,000	4,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		19,000		16,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	6,000	32,000	4,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	21,000	3,000	17,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	16,000	3,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	4,000	3,000	1,000	NIL	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (Ft-AMSL)	Minimum Operating Level (Ft-AMSL)	Water Level (Feet-AMSL)			Live Storage (MAF)			Present Storage (%age of total storage)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1550.00	1525.03	1550.00	5.827	4.501	5.827	100 %
Chashma	649.00	638.15	647.90	643.70	648.60	0.278	0.093	0.258	92.81 %
Mangla	1242.00	1050.00	1238.90	1190.70	1193.00	7.356	3.770	3.908	53.13 %
					Total Live Storage	13.461	8.364	9.993	74.24 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ /-)
Maximum	32.4 °C	25.3 °C	- 7.1 °C
Minimum	9.3 °C	9.2 °C	- 0.1 °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 freeboards

"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/ Historic Peak Floods**: (applied on downstream discharge/Outflow)

(R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"