



**Government of Pakistan
Ministry of Water and Power
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

6-Attaturk Avenue, G-5/1, Islamabad

**DAILY FLOOD SITUATION REPORT
FRIDAY SEPTEMBER 30, 2016**

All main rivers i.e. Rivers Indus, Jhelum, Chenab, Ravi & Sutlej are flowing normal. Today's river flows and reservoir elevations may be seen at **Annexure-I**, which indicates that Tarbela & Mangla reservoirs are at elevations of 1512.18 feet and 1212.45 feet respectively, which are 37.82 feet & 29.55 feet below their respective Maximum Conservation Levels of 1550.00 feet and 1242.00 feet. Today's combined live storage capacity of Tarbela, Chashma & Mangla reservoirs is 9.668 MAF compared to last year's 10.478 MAF.

2. According to Flood Forecasting Division, Lahore, yesterday's trough of Westerly Wave over North of the country has moved away Eastwards. Weak Seasonal Low still persists over Northern Balochistan. The weather system is being closely monitored by the Pakistan Meteorological Department.

3. As predicted by the Flood Forecasting Division, Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours.

4. No significant rainfall event has been reported by the Flood Forecasting Division, Lahore during the past 24 hours, except for Chakdara=12 mm.

5. **Monsoon Season is almost over. No significant weather system prevails over the country at the moment and all main rivers are currently flowing normal. The Daily Flood Situation Report of Federal Flood Commission shall be discontinued with effect from 1st October, 2016 (Saturday). However, all monitoring arrangements shall remain in position till 15th October, 2016.**


(Asjad Imtiaz Ali)

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Distribution:

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7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
8. Chief Executive Officer, Pakistan Railways, Islamabad.
9. Member (Infrastructure), Planning Commission, Islamabad.
10. Pakistan Commissioner for Indus Waters (PCIW), Lahore.

11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chairman, National Highway Authority, Islamabad.
13. Chairman, Indus River System Authority, Islamabad.
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23. Secretary, Irrigation Department, Government of the Punjab, Lahore.
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27. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
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29. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
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32. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
33. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
34. Director General, FATA Disaster Management Authority, Peshawar.
35. Director General (Irrigation & Small Dams), Government of AJ&K, Muzaffarabad.
36. Director General, National Crisis Management Cell, Ministry of Interior, Islamabad.
37. Principal Information Officer, Press Information Department, Islamabad.
38. Director (News), APP, Islamabad.
39. Director (News), PTV, Islamabad.
40. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
41. Director, Irrigation & Hydel Power, FATA Secretariat, Warsak Road, Peshawar.

U.O. No. FC-I (31)/2016, dated 30-09-2016

**Discharges at Important River Sites
September 30, 2016 at 0600 Hours**

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood Classification**
		In Flow	Out Flow		
(Cusecs)					
River Indus					
▪ Tarbela Reservoir	1,500,000	72,000	63,000	650,000	Normal
▪ Kalabagh	950,000	97,000	89,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	123,000	117,000	650,000	Normal
▪ Taunsa ^	1,000,000	101,000	85,000	650,000	Normal
▪ Guddu	1,200,000	81,000	63,000	700,000	Normal
▪ Sukkur ^^	1,500,000	62,000	13,000	700,000	Normal
▪ Kotri	875,000	34,000	8,000	650,000	Normal
River Kabul					
▪ Warsak	540,000	-	11,000	200,000	Normal
▪ Nowshera		-	16,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge		-	3,000	150,000	Normal
▪ Munda Head Works		-	5,000	150,000	Normal
▪ Charsadda Road Bridge		-	4,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	13,000	48,000	225,000	Normal
▪ Rasul	850,000	49,000	28,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	22,000	8,000	400,000	Normal
▪ Khanki ^	850,000	10,000	1,000	400,000	Normal
▪ Qadirabad	900,000	22,000	NIL	400,000	Normal
▪ Trimmu	645,000	24,000	7,000	450,000	Normal
▪ Panjnad	700,000	12,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000	-	2,000	150,000	Normal
▪ Shahdara	250,000	-	1,000	135,000	Normal
▪ Balloki	225,000	22,000	NIL	135,000	Normal
▪ Sidhnai	150,000	15,000	NIL	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	13,000	NIL	175,000	Normal
▪ Islam	300,000	2,000	NIL	175,000	Normal

Live Storage (MAF)⁺

Reservoir Elevation (Feet Above Mean Sea Level)		<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>Maximum</u>	<u>Today</u>	<u>Last Year</u>
Tarbela (Maximum Conservation Level	1550.00)	1512.18	1503.77	1547.82	6.328	4.287	3.979
(Dead Level	1380.00) ^{vv}						
Chashma (Maximum Conservation Level	649.00)	646.70	645.80	645.80	0.276	0.177	0.149
(Dead Level	637.00)						
Mangla (Maximum Conservation Level	1242.00) [#]	1212.45	1228.40	1241.50	7.406 ⁺⁺	5.204	6.350
(Dead Level	1040.00)						
Total Live Storage					14.010	9.668	10.478

Today's Skardu Temperature: Maximum 27.8 °C Minimum 7.3 °C
Last Year's Skardu Temperature: Maximum 20.2 °C Minimum 5.4 °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

++ For Maximum Conservation Level of 1242.00 ft.

Maximum Conservation level after Mangla Dam Raising Project adopted vide MOWP U.O.No.5 (2)/2012-Water (Part) dated July 25, 2013.

vv Revised Dead Level as per WAPDA' letter No. C/GM (P&D)/2014/95 dated April 15, 2014.

^^ PID, Sindh vide letter No. IWT&R/14/1108/04/97 dated 17-09-2014 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