



**Government of Pakistan
Ministry of Water & Power
Federal Flood Commission
Plot No. 6, Sector G-5/1, Islamabad**

**DAILY FLOOD SITUATION REPORT
THURSDAY, AUGUST 26, 2010**

River Indus is flowing in Exceptionally High Flood Level with steady condition at Kotri Barrage. It is in High Flood Level with falling trend in Guddu – Sukkur Reach and is in Medium Flood in Chashma-Taunsa Reach. The river is in Low Flood with falling trend in Tarbela-Kalabagh Reach. River Kabul is in Medium Flood with rising trend in Warsak-Nowshera Reach. River Chenab is experiencing Medium Flood with rising trend at Khanki and Low Flood with rising trend at Marala & Qadirabad. Actual river flows and reservoir elevations may be seen at **Annexure-I**, which indicate that Tarbela Dam has attained its Maximum Conservation Level of 1550.00 feet, whereas Mangla Dam is at an elevation of 1206.00 feet i.e. 4.00 feet below its Maximum Conservation Level of 1210.00 feet. **The concerned quarters have already been advised to take utmost care and vigilance in further filling of reservoir and strictly follow filling criteria and safety guidelines.** Today's combined live storage position of Tarbela, Mangla & Chashma is 11.656 MAF as compared to last year's 11.553 MAF.

2. According to Flood Forecasting Division (FFD), Lahore, a feeble trough of westerly wave lies over northern parts of the country. Weak Seasonal Low lies over Balochistan. Southeastern monsoon current from Arabian Sea is penetrating into sub-mountainous areas of Punjab and Kashmir upto 3000 feet. The weather system is being closely monitored by the Pakistan Meteorological Department.

3. As predicted by the FFD, Lahore, scattered thunderstorm/rain with heavy falls at isolated places is expected over northern Punjab, Khyber Pakhtunkhwa, Balochistan and Kashmir, including upper catchments of Rivers Indus, Jhelum, Chenab, Ravi and Sutlej, besides Rawalpindi, Sargodha, Gujranwala and Lahore Divisions during the next 24 hours. Isolated thunderstorm/rain may also occur over southern Punjab, upper Sindh and Gilgit-Baltistan including D. G. Khan and Bahawalpur Divisions during the same period.

4. Significant rainfall events reported during the past 24 hours include; Larkana = 60 mm, Kotnaina = 40 mm, Sahiwal = 33 mm, Toba Tek Singh = 28 mm, Faisalabad = 25 mm, Islamabad (Bokra = 24 mm, Shamsabad = 17 mm & Airport = 14 mm), Sibbi = 23 mm, D. I. Khan = 21 mm, Bhakkar = 20 mm, Zhob = 18 mm, Palandri = 16 mm, Shakargarh and Shorkot = 15 mm each, Cherat = 13 mm, Barkhan = 11 mm, Mianwali and Chitral = 10 mm each.

5. River Indus has attained Exceptionally High Flood Level of 938,000 cusecs. The river flow is in steady condition at Kotri Barrage from the last 36 hours. The river is likely to be in Exceptionally High Flood to Very High Flood Stage during the next 6-7 days. The "High Flood Situation" at Kotri Barrage is expected during the subsequent 8-9 days. Under this scenario, the inundation and riverine flooding of low lying areas of Districts Hyderabad, Thatta, Badin and adjoining areas along both sides of Indus River, especially Sajawal, Mirpur Bataro, Mirpur Sakro, Jhang Shahi, Allah Rakhio, Jamshoro, Matiari, Makaro, Ketibander, Shahbander etc. is expected. Provincial Irrigation Department, Government of Sindh and District Administrations have been advised to take precautionary measures for safe passage of peak flood flows into Arabian Sea. Details of country-wide flood/rain damages reported so far may be seen at **Annexure-II**.

6. As reported by the Pakistan Meteorological Department, Bhakra and Pong Dams on River Sutlej and Ranjeet Sagar Dam on River Ravi are likely to attain maximum conservation level within next few days, which may result in increased water releases from these dams. Outflow from Bhakra Dam on River Sutlej is 48,175 cusecs, which is very nearly approaching Low Flood Stage of 50,000 cusecs. As a result, flood water level downstream of Ganda Singh Wala may rise, which may cause inundation of low lying areas along the river. The people residing in the river bed/riverine and low lying areas are likely to be in danger. The local authorities should take precautionary measures to warn the people residing in the river bed and low lying areas along both sides of the river to be ready for such abnormal situation. Further, warning would be issued by Pakistan Meteorological Department as soon as surplus water releases information is received from India.

7. As reported by the Flood Forecasting Division (FFD), Lahore, moderate flooding is likely in Hill Torrents of Districts D. G. Khan and Rajanpur due to rains of moderate intensity at times in Suleman Range during the period 0700 hrs of 26-08-2010 to 1900 hrs of 26-08-2010. All concerned agencies have been informed by the Flood Forecasting Division (FFD), Lahore to take precautionary measures to avoid loss of human lives and property.

8. All concerned are being kept informed by the Flood Warning Centre, Lahore on round the clock basis.

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8. Chief Secretary, Government of the Punjab, Lahore.
9. Chief Secretary, Government of Sindh, Karachi.
10. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
11. Chief Secretary, Government of Balochistan, Quetta.
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Disaster Management Authority, P. M. Secretariat, Islamabad.
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19. Director (News) PTV, Islamabad.
20. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
U.O.No. FC-I (31)/2010-XXV, dated 26-08-2010.

Copy to:

1. Director General (Media), Ministry of Water and Power, Islamabad.
2. Secretary, Irrigation and Power Department, Government of the Punjab, Lahore
3. Secretary, Irrigation and Power Department, Government of Sindh, Karachi
4. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar
5. Secretary, Irrigation and Power Department, Government of Balochistan, Quetta

**Discharges at Important River Sites
August 26, 2010 at 0600 Hours**

(Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) classification	Actual Flood Classification **
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir*	15,00,000	267,000	267,000	6,50,000	Low Flood (F)
▪ Kalabagh	9,50,000	351,000	347,000	6,50,000	Low Flood (F)
▪ Chashma Reservoir*	9,50,000	430,000	443,000	6,50,000	Medium Flood (R)
▪ Taunsa	11,00,000	389,000	389,000	6,50,000	Medium Flood (F)
▪ Guddu	12,00,000	651,000	641,000	7,00,000	High Flood (F)
▪ Sukkur	15,00,000	697,000	657,000	7,00,000	High Flood (F)
▪ Kotri	8,75,000	938,000	916,000	6,50,000	Exceptionally H. F. (S)
River Kabul					
▪ Warsak	5,40,000		59,000	2,00,000	Medium Flood (R)
▪ Nowshera			89,000	2,00,000	Medium Flood (R)
River Jhelum					
▪ Mangla Reservoir*	10,60,000	57,000	57,000	2,25,000	Normal
▪ Rasul	8,50,000	61,000	58,000	2,25,000	Normal
River Chenab					
▪ Marala	11,00,000	119,000	107,000	4,00,000	Low Flood (R)
▪ Khanki	8,00,000	160,000	154,000	4,00,000	Medium Flood (R)
▪ Qadirabad	8,07,000	126,000	119,000	4,00,000	Low Flood (R)
▪ Trimmu	6,45,000	135,000	130,000	4,50,000	Normal
▪ Panjnad	7,00,000	118,000	106,000	4,50,000	Normal
River Ravi					
▪ Jassar	2,75,000		17,000	1,50,000	Normal
▪ Shahdra	2,50,000		32,000	1,35,000	Normal
▪ Balloki	2,25,000	57,000	28,000	1,35,000	Normal
▪ Sidhnai	1,50,000	19,000	6,000	90,000	Normal
River Sutlej					
▪ Suleimanki	3,25,000	38,000	27,000	1,75,000	Normal
▪ Islam	3,00,000	10,000	8,000	1,75,000	Normal

Reservoir Elevation (Feet Above Sea Level)		2010	2009	2008	Live Storage (MAF)				
					Maximum	Today	Last Year		
Tarbela	(Maximum Conservation Level	1550.00)	-	1550.00	1549.04	1550.00	6.770	6.770	6.793
	(Dead Level	1378.00)							
Chashma	(Maximum Conservation Level	649.00)	-	642.70	645.30	646.80	0.263	0.082	0.136
	(Dead Level	637.00)							
Mangla	(Maximum Conservation Level	1210.00)	-	1206.00	1203.25	1198.40	<u>5.066</u>	4.804	<u>4.624</u>
	(Dead Level	1040.00)							
Total Live Storage							12.099	11.656	11.553

Today's Skardu Temperature: Maximum: **18.9 °C** Minimum: **16.7 °C**

NOTES:

* For Reservoirs, discharges (Inflows/Outflows) are averages of 24 hours.

** **Flood Classification:** (applied on downstream discharge/Outflow)**"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: River flowing between high banks/bunds with encroachment on the freeboard (VHF)
 Exceptionally High Flood: Imminent danger of overtopping/breaching, or the high bank areas have become inundated (EHF)

*** (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood,
 (S) Signifies "Steady" Flow Condition

ANNEXURE-II**DETAILS OF COUNTRYWIDE FLOOD/RAIN DAMAGES CAUSED DURING MONSOON SEASON 2010
(As on 26-08-2010 Morning)**

PROVINCE	Villages Affected	Persons Affected	Area Affected (Acres)	Cropped Area Affected (Acres)	Houses Damaged		Persons Died	Persons Injured	Cattle Heads Perished	Relief Camps Established
					Partially	Fully				
Punjab	3,132	1,908,015	2,693,436	1,470,989	46,458	44,752	103	350	748	385
Sindh	4,376	4,015,409	2,021,804	1,740,818	198,814	87,237	116	743	129,416	2,053
KPK	581	1,579,495	*	466,627	71,138	108,772	1,033	1,008	8,438	86
Balochistan	2,604	1,015,262	4,605	691,705	*	75,261	48	98	15,931	3
FATA	*	*	*	6,500	*	4,308	79	82	15	*
Gilgit-Baltistan	347	87,000	*	9,000	*	2,830	183	60	4,669	*
AJ & K	*	*	*	9	5,389	1,481	71	87	400	4
G. TOTAL	11,040	8,605,181	4,719,845	4,385,648	321,799	324,641	1,633	2,428	159,617	2,531

* Under Survey by the respective provincial authorities