

भारत सरकार

भारत मौसम विज्ञान विभाग

पृथ्वी विज्ञान मंत्रालय

पता : बाढ़ मौसम कार्यालय, प्रादेशिक मौसम
केंद्र, मौसम भवन, लोधी रोड, नई दिल्ली –
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GOVERNMENT OF INDIA

INDIA METEOROLOGICAL DEPARTMENT

(Ministry of Earth Sciences)

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HYDROMET BULLETIN

Synoptic Situation

- The Western Disturbance as a cyclonic circulation over Himachal Pradesh & neighbourhood now seen as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 71° E to the north of Lat. 25° N.
- A fresh feeble Western Disturbance is likely to affect Western Himalayan Region from the night of 01st November, 2023.

(*) - Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

a) River Sub-basin-wise Quantitative Precipitation Forecast (QPF)
FMO NEW DELHI

S. No.	Basin Name	Sub-basin Name	QPF (mm)					Day-6 (05/11/2023)*	Day-7 (06/11/2023)*
			Day-1 (31/10/2023)*	Day-2 (01/11/2023)*	Day-3 (02/11/2023)*	Day-4 (03/11/2023)*	Day-5 (04/11/2023)*		
1.	Upper Yamuna Catchment	Yamuna upto Hathnikund	0	0	0	0	0	0	0
2.	Lower Yamuna Catchment-I	Yamuna upto Mathura	0	0	0	0	0	0	0
3.	Sahibi Nadi Catchment	Sahibi Nadi	0	0	0	0	0	0	0

FMO AGRA

S. No.	Basin Name	Sub-basin Name	QPF (mm)					Day-6 (05/11/2023)*	Day-7 (06/11/2023)*
			Day-1 (31/10/2023)*	Day-2 (01/11/2023)*	Day-3 (02/11/2023)*	Day-4 (03/11/2023)*	Day-5 (04/11/2023)*		
1.	Lower Yamuna Catchment –II (Mathura onwards)	Gambhir	0	0	0	0	0	0	0
		Yamuna Mathura to Naini	0	0	0	0	0	0	0
		Kunwari	0	0	0	0	0	0	0
		Sind	0	0	0	0	0	0	0
		Betwa	0	0	0	0	0	0	0
		Ken	0	0	0	0	0	0	0
		Lower Chambal	0	0	0	0	0	0	0
		Upper Chambal	0	0	0	0	0	0	0

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100
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1b) River Sub-basin-wise Intensity and Distribution of QPF

FMO NEW DELHI

S. No.	Basin Name	Sub-basin Name	Intensity (I) and Spatial Distribution (D)													
			Day-1 (31/10/2023)*		Day-2 (01/11/2023)*		Day-3 (02/11/2023)*		Day-4 (03/11/2023)*		Day-5 (04/11/2023)*		Day-6 (05/11/2023)*		Day-7 (06/11/2023)*	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	Upper Yamuna Catchment	Yamuna upto Hathnikund	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
2	Lower Yamuna Catchment-I	Yamuna upto Mathura	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
3	Sahibi Nadi Catchment	Sahibi Nadi	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY

Spatial Distribution		
DRY	Dry	No station reported rainfall
ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

Intensity					
M.Dry	NIL	0 cm	VL	Very Light Rainfall	Trace
L	Light Rainfall	Upto 1 cm	M	Moderate Rainfall	2-6 cm
H	Heavy Rainfall	7-11 cm	VH	Very Heavy rainfall	12-20 cm
EH	Extremely Heavy Rainfall	21 cm or more			
ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm.			

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FMO AGRA

S. No.	Basin Name	Sub-basin Name	Intensity (I) and Spatial Distribution (D)													
			Day-1 (31/10/2023)*		Day-2 (01/11/2023)*		Day-3 (02/11/2023)*		Day-4 (03/11/2023)*		Day-5 (04/11/2023)*		Day-6 (05/11/2023)*		Day-7 (06/11/2023)*	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	Lower Yamuna Catchment –II (Mathura onwards)	Gambhir	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Yamuna Mathura to Naini	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Kunwari	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Sind	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Betwa	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Ken	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Lower Chambal	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY
		Upper Chambal	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY

Spatial Distribution		
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ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm
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EH	Extremely Heavy Rainfall	21 cm or more			
ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm.			

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3) River Sub-basin-wise Heavy Rainfall Warning

FMO NEW DELHI

S. No.	Basin Name	Sub-basin Name	Day-1 (31/10/2023)*		Day-2 (01/11/2023)*		Day-3 (02/11/2023)*		Day-4 (03/11/2023)*		Day-5 (04/11/2023)*		Day-6 (05/11/2023)*		Day-7 (06/11/2023)*	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	Upper Yamuna Catchment	Yamuna upto Hathnikund	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
NIL	NIL	Yamuna upto Mathura	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Sahibi Nadi Catchment	Sahibi Nadi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Spatial Distribution		
DRY	Dry	No station reported rainfall
ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

Intensity				
H	Heavy Rainfall	7-11 cm	VH	Very Heavy rainfall
EH	Extremely Heavy Rainfall	21 cm or more		
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(*) - Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

FMO AGRA

S. No.	Basin Name	Sub-basin Name	Day-1 (31/10/2023)*		Day-2 (01/11/2023)*		Day-3 (02/11/2023)*		Day-4 (03/11/2023)*		Day-5 (04/11/2023)*		Day-6 (05/11/2023)*		Day-7 (06/11/2023)*	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	Lower Yamuna Catchment –II (Mathura onwards)	Gambhir	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Yamuna Mathura to Naini	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Kunwari	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Sind	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Betwa	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Ken	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Lower Chambal	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Upper Chambal	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Spatial Distribution		
DRY	Dry	No station reported rainfall
ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few places	26%-50% number of stations recorded rainfall 2.5 mm
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Intensity				
H	Heavy Rainfall	7-11 cm	VH	Very Heavy rainfall
EH	Extremely Heavy Rainfall	21 cm or more		
ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm.		

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4) River Sub-basin-wise Probabilistic QPF

FMO NEW DELHI

Basin Name	Sub-basin Name	QPF Probability (%)																																		
		Day-1 (31/10/2023)*					Day-2 (01/11/2023)*					Day-3 (02/11/2023)*					Day-4 (03/11/2023)*					Day-5 (04/11/2023)*					Day-6 (05/11/2023)*					Day-7 (06/11/2023)*				
		0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100					
Upper Yamuna Catchment	Yamuna upto Hathnikund																																			
Lower Yamuna Catchment-I	Yamuna upto Mathura																																			
Sahibi Nadi Catchment	Sahibi Nadi																																			

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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(*) - Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

FMO AGRA

Basin Name	Sub-basin Name	QPF Probability (%)																																									
		Day-1 (31/10/2023)*						Day-2 (01/11/2023)*						Day-3 (02/11/2023)*						Day-4 (03/11/2023)*						Day-5 (04/11/2023)*						Day-6 (05/11/2023)*						Day-7 (06/11/2023)*					
		0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100						
Lower Yamuna Catchment –II (Mathura onwards)	Gambhir																																										
	Yamuna Mathura to Naini																																										
	Kunwari																																										
	Sind																																										
	Betwa																																										

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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(*) - Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

		0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100
	Ken																														
	Lower Chambal																														
	Upper Chambal																														

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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5) Station-wise significant rainfall recorded at 0830 hrs IST of today

FMO NEW DELHI

S. No.	Basin Name	Sub-basin Name	Name of Station and Rainfall (≥ 5 cm.)
1	Upper Yamuna Catchment	Yamuna upto Hathnikund	NIL
2	Lower Yamuna Catchment-I	Yamuna upto Mathura	NIL
3	Sahibi Nadi Catchment	Sahibi Nadi	NIL

FMO AGRA

S. No.	Basin Name	Sub-basin Name	Name of Station and Rainfall (≥ 5 cm.)
01	Lower Yamuna Catchment –II (Mathura onwards)	Gambhir	NIL
		Yamuna Mathura to Naini	NIL
		Kunwari	NIL
		Sind	NIL
		Betwa	NIL
		Ken	NIL
		Lower Chambal	NIL
		Upper Chambal	NIL

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6) River Sub-basin-wise observed Average Areal Precipitation (AAP) of today

FMO NEW DELHI

S. No.	Basin Name	Sub-basin Name	AAP (mm)
1	Upper Yamuna Catchment	Yamuna upto Hathnikund	0.0
2	Lower Yamuna Catchment-I	Yamuna upto Mathura	0.0
3	Sahibi Nadi Catchment	Sahibi Nadi	0.0

FMO AGRA

S. No.	Basin Name	Sub-basin Name	AAP (mm)
1	Lower Yamuna Catchment –II (Mathura onwards)	Gambhir	0.0
		Yamuna Mathura to Naini	0.0
		Kunwari	0.0
		Sind	0.0
		Betwa	0.0
		Ken	0.0
		Lower Chambal	0.0
		Upper Chambal	0.0

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7) Daily Rainfall & local forecast for Flood control room ISBT

YAMUNA CATCHMENT						SAHIBI NADI CATCHMENT	
STATIONS	R/F (mm)	STATIONS	R/F (mm)	STATIONS	R/F (mm)	STATIONS	R/F (mm)
Shimla	0.0	Ambala	0.0	Karnal	0.0	Dadri Toye	0.0
Solan	0.0	Paonta	0.0	Delhi Rly Bri.	0.0	Dhansa	0.0
Chandigarh	0.0	Hathnikund Barrage	0.0	Palam (DLH)	0.0	Rewari	0.0
Jateon Brg.	0.0	Dadupur	0.0	Mathura	0.0	Massani Brg.	0.0
Nahan	0.0	Dehradun	0.0			Jaipur	-
Haripur	0.0	Patiala	0.0				
		Saharanpur	0.0				
Total R/F in New Delhi (SFD) in mm during last 24 hrs					0.0		
Total R/F in New Delhi (SFD) (in mm) (Till Date from 1 st October, 2023)					5.4		
Normal R/F in New Delhi (SFD) (in mm) (Till Date from 1 st October, 2023)					15.1		
<u>LOCAL FORECAST FOR DELHI & NEIGHBOURHOOD:</u>							
PARTLY CLOUDY SKY.							
TODAY’S MAXIMUM AND TOMORROW’S MINIMUM TEMPERATURES WOULD BE AROUND 33 AND 17 DEGREE CELSIUS RESPECTIVELY.							

(Dr. Kuldeep Srivastava)
Scientist-E, In-Charge
FLOOD MET.OFFICE
Phone number: 011-43824563

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