

भारत सरकार
 भारत मौसम विज्ञान विभाग
 (पृथ्वी विज्ञान मंत्रालय)
 बाढ़ मौसम कार्यालय
 प्रा.मौ.पू. केन्द्र लोदी रोड नई दिल्ली.
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GOVERNMENT OF INDIA
 INDIA METEOROLOGICAL DEPARTMENT
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HYDROMET BULLETIN:

1. **SYNOPTIC SITUATION (MID DAY INFERENCE):**

The axis of monsoon trough at mean sea level now passes through Bikaner, Ajmer, centre of the well marked low pressure area, Pendra Road, Jharsuguda, Paradip and thence east south eastwards to east central Bay of Bengal.

A cyclonic circulation lies over northwest Rajasthan & neighbourhood and extends upto 5.8 km above mean sea level.

The Western Disturbance as an upper air cyclonic circulation over central Pakistan & adjoining Punjab now lies over eastern parts of Jammu & Kashmir and adjoining Himachal Pradesh at 3.1 km above mean sea level.

The other Western Disturbance as an upper air cyclonic circulation over eastern parts of Afghanistan & neighbourhood between 3.1 & 5.8 km above mean sea level persists with the trough aloft with its axis at 7.6 km above mean sea level now running roughly along Longitude 65.0°E to the north of Latitude 27.0°N.

FORECAST:

FMO NEW DELHI

S. No.	BASIN NAME	SUB BASIN CODE/ NAME	QPF (mm)			INTENSITY & SPATIAL DISTRIBUTION		
			Day-1	Day-2	Day-3	Day-1	Day-2	Day-3
1	Upper Yamuna Catchment	(Yamuna upto Hatnikund)	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
3	Sahibi Nadi Catchment	Sahibi Nadi	1-10	1-10	1-10	Rain/thunders hower likely at isolated	Rain/thunders hower likely at isolated	Rain/thunders hower likely at isolated

						places	places	places
FMO AGRA (LOWER YAMUNA CATCHMENT-II)								
S. No	BASIN NAME	SUB BASIN CODE /NAME	QPF (mm)			INTENSITY & SPATIAL DISTRIBUTION		
			DAY-1	DAY-2	DAY-3	DAY-1	DAY-2	DAY-3
1	Lower Yamuna Catchment-II	Gambhir	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
2	do	Yamuna Mathura to Naini	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
3	do	Kunwari	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
4	do	Sind	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
5	do	Betwa	11-25	1-10	1-10	Rain/thunders hower likely at a few places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
6	do	Ken	11-25	1-10	1-10	Rain/thunders hower likely at a few places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
7	do	Lower Chambal	1-10	1-10	1-10	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places
8	do	Upper Chambal	11-25	1-10	1-10	Rain/thunders hower likely at a few places	Rain/thunders hower likely at isolated places	Rain/thunders hower likely at isolated places

III. HEAVY RAINFALL WARNING:

NAME OF BASIN/SUB- BASIN	FMO NEW DELHI
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	Day-1	Day-2	Day-3
Upper Yamuna Catchment	NIL	NIL	NIL
Lower Yamuna Catchment-I	NIL	NIL	NIL
Sahibi Nadi Catchment	NIL	NIL	NIL
FMO AGRA (LOWER YAMUNA CATCHMENT-II)			
NAME OF BASIN/SUB- BASIN	Day-1	Day-2	Day-3
(LOWER YAMUNA-II) Gambhir	NIL	NIL	NIL
Yamuna Mathura to Naini	Isolated Heavy	NIL	NIL
Kunwari	NIL	NIL	NIL
Sind	NIL	NIL	NIL
Betwa	Isolated Heavy	NIL	NIL
Ken	Isolated Heavy	NIL	NIL
Lower Chambal	Isolated Heavy	NIL	NIL
Upper Chambal	Isolated Heavy	NIL	NIL

IV. OUTLOOK FOR SUBSEQUENT FOUR DAYS

NAME OF BASIN/SUB- BASIN	FMO NEW DELHI			
	Day-4	Day-5	Day-6	Day-7
Upper Yamuna Catchment	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE	NO LARGE CHANGE
Lower Yamuna Catchment-I	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE
Sahibi Nadi Catchment	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE
FMO AGRA (LOWER YAMUNA CATCHMENT-II)				
NAME OF BASIN/SUB- BASIN	Day-4	Day-5	Day-6	Day-7
<u>(LOWER YAMUNA-II)</u> Gambhir	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE
Yamuna Mathura to Naini	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE
Kunwari	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE
Sind	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE

Betwa	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE
Ken	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE
Lower Chambal	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE	INCREASE
Upper Chambal	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE	INCREASE

V. STATIONS RECORDED SIG. RAINFALL (>5 cm) AT 0830 HRS IST OF TODAY:

FMO NEW DELHI

NAME OF BASIN/ SUB- BASIN	NAME OF STATIONS –RAIN FALL (cm)
Upper Yamuna Catchment	---
Lower Yamuna Catchment-I	--
Sahibi Nadi Catchment	---

FMO AGRA (LOWER YAMUNA CATCHMENT-II)

NAME OF BASIN/ SUB- BASIN	NAME OF STATIONS –RAIN FALL (cm)
<u>(LOWER YAMUNA-II)</u> Gambhir	--
Yamuna Mathura to Naini	Karwi-9
Kunwari	---
Sind	---
Betwa	Sagar-13, Begumganj-5
Ken	Damoh-10, Hatta-8, Madla -7 and Kaimaha-5
Lower Chambal	---
Upper Chambal	---

VI. REALISED BASIN AVERAGE RAINFALL AT 0830 HRS IST OF TODAY:

FMO NEW DELHI

S. No.	BASINS NAME	SUB-BASIN CODE/NAME	REALISED AVERAGE RAINFALL(mm)
1	Upper Yamuna Catchment	(Yamuna upto Hatnikund)	0.0
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	0.0
3	Sahibi Nadi Catchment	Sahibi Nadi	0.0

FMO AGRA (LOWER YAMUNA CATCHMENT-II)

1	Lower Yamuna Catchment-II	Gambhir	0.4
2	do	Yamuna Mathura to Naini	11.7
3	do	Kunwari	7.8
4	do	Sind	11.8
5	do	Betwa	23.4
6	do	Ken	43.7
7	do	Lower Chambal	3.3
8	do	Upper Chambal	4.3

DAILY R/F & 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	Tajewala	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	0.0
Haripur	0.0	Patiala	0.0				
Bausan	n/a	Saharanpur	0.0				
Total R/F in Delhi (SFD) in mm during last 24 hrs						0.0	
Total R/F in New Delhi (SFD) (in mm) (Till Date from 1 st June)						616.6	
Normal R/F in New Delhi (SFD) (in mm) (Till Date from 1 st June)						624.3	
LOCAL FORECAST FOR DELHI & N/HOOD: Generally cloudy sky with possibility of thundery development. The highest maximum and minimum temperatures would be around 35 and 25 deg cel respectively.							

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LEGEND

Intensity of rainfall

VL : Very light Rain Trace
L : Light rain Upto 1 cm
M: Moderate rain 02-06 cm
H: Heavy rain 07-11 cm
VH : Very Heavy Rainfall 12-20 cm
EH : Extremely Heavy rainfall 21 cm or More,

Spatial Distribution of Rainfall

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

Probability of occurrence: Unlikely (<25%); Likely (26-50%); Very likely (51-75%); Most likely (75-100%)