

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) :

Southwest Monsoon has been active over Rajasthan. The axis of monsoon trough at mean sea level now passes through centre of low pressure area over south-Gujrat region & N/Hood, centre of low pressure area over northern parts of west-Madhya Pradesh, & N/Hood, Sidhi, Daltonganj, Burdwan, Digha and thence East South-East wards to Northeast Bay of Bengal and extends upto 1.5 km above mean sea level. The Western disturbance as an upper air cyclonic circulation over north-Pakistan and adjoining Afghanistan now lies over north-Pakistan & N/Hood at 3.1 km above mean sea level with a trough aloft with its axis at 5.8 km above mean sea level now running roughly along Longitude 73.0° E and north of Latitude 32.0° North. The upper air cyclonic circulation over central parts of Rajasthan and N/Hood and extending upto 1.5 km above mean sea level has become less marked.

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/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
3	Sahibi Nadi Catchment	Sahibi Nadi	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
<u>FMO AGRA (LOWER YAMUNA CATCHMENT-II)</u>								
		SUB BASIN	QPF (mm)			INTENSITY & SPATIAL DISTRIBUTION		

S. No	BASIN NAME	CODE /NAME						
			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/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
2	do	Yamuna Mathura to Naini	11-25	1-10	1-10	Rain/thundershower likely at a few places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
3	do	Kunwari	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
4	do	Sind	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
FE W	do	Betwa	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
6	do	Ken	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places
7	do	Lower Chambal	11-25	11-25	1-10	Rain/thundershower likely at a few places	Rain/thundershower likely at a few places	Rain/thundershower likely at isolated places
8	do	Upper Chambal	1-10	1-10	1-10	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places	Rain/thundershower likely at isolated places

III. HEAVY RAINFALL WARNING:

NAME OF BASIN/SUB- BASIN	FMO NEW DELHI		
	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	NIL	NIL	NIL
Ken	NIL	NIL	NIL
Lower Chambal	Isolated Heavy	Isolated Heavy	NIL
Upper Chambal	NIL	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	NO LARGE CHANGE	NO LARGE CHANGE
Lower Yamuna Catchment-I	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE
Sahibi Nadi Catchment	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	INCREASE
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	INCREASE	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	NO LARGE CHANGE	INCREASE
Upper Chambal	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE

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- I I)</u> Gambhir	-----
Yamuna Mathura to Naini	-----
Kunwari	---
Sind	----
Betwa	Bhopal-9, Pichhore-8, Raisen-5
Ken	Deori-5
Lower Chambal	Sehore-7, Jawad-6
Upper Chambal	Depalpur-7, Ujjain and Dewas-5 each

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)	3.1
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	1.1
3	Sahibi Nadi Catchment	Sahibi Nadi	3.3
FMO AGRA (LOWER YAMUNA CATCHMENT-II)			
1	Lower Yamuna Catchment-II	Gambhir	1.5
2	do	Yamuna Mathura to Naini	5.3
3	do	Kunwari	2.0
4	do	Sind	8.7
5	do	Betwa	25.5

6	do	Ken	20.0
7	do	Lower Chambal	18.3
8	do	Upper Chambal	24.7

DAILY R/F & LOCAL FORECAST FOR FLOOD CONTROL ROOM ISBT:

Yamuna Catchment						Sahi bi Nadi Catchment	
Stations	R/F (mm)	Stations	R/F (mm)	Stations	R/F (mm)	Stations	R/F (mm)
Shimla	2.8	Ambala	0.1	Karnal	0.0	Dadri Toye	24.0
Solan	0.0	Paonta	0.0	Delhi Rly Bri.	0.0	Dhansa	5.2
Chandigarh	0.0	Taje wala	2.0	Palam (DLH)	2.0	Rewari	4.0
Jateon Brg.	0.0	Dadupur	n/a	Mathura	10.0	Massani Brg.	6.0
Nahan	32.8	Dehradun	0.0			Jaipur	0.8
Haripur	0.0	Patiala	4.0				
Bausan	n/a	Saharanpur	0.0				
Total R/F in Delhi (SFD) in mm during last 24 hrs						2.7	
Total R/F in New Delhi (SFD) (in mm) (Till Date from 1 st June,15)						330.9	
Normal R/F in New Delhi (SFD) (in mm) (Till Date from 1 st June, 15)						194.5	
LOCAL FORECAST FOR DELHI & N/HOOD: Generally cloudy sky. Light rain/thundershowers likely to occur towards evening/night. The highest maximum and minimum temperatures would be around 35 and 28 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,
EXH :

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

QPF Ranges: 0; 1-10mm; 11-25mm; 26-50mm; 51-100mm; >100mm.

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