

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
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HYDROMET BULLETIN:

1. SYNOPTIC SITUATION (MID DAY INFERENCE) :

Yesterday's low pressure area over northwest Bay of Bengal and adjoining coastal areas of West Bengal and north Odisha persists and has become well marked.

The associated upper air cyclonic circulation now extends upto 7.6 Km above mean sea level and tilting south-westwards with height.

The axis of monsoon trough at mean sea level now passes through Ganganagar, Hissar, Mathura, Allahabad, Daltonganj, Chaibasa, centre of well marked low pressure area over northwest Bay of Bengal and adjoining coastal areas of west Bengal and north Odisha and thence south-eastwards to east central Bay of Bengal.

Yesterday's upper air cyclonic circulation over Punjab and adjoining Himachal Pradesh now lies over Punjab and adjoining Haryana and Himachal Pradesh extending upto 0.9 Km above mean sea level.

Yesterday's trough in easterlies at 5.8 Km above mean sea level from central parts of Uttar Pradesh to Telangana across Madhya Pradesh has become less marked.

A fresh western disturbance as an upper air cyclonic circulation lies over Jammu & Kashmir and neighbourhood extending between 1.5 Km and 5.8 Km above mean sea level.

12. 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)	11-25	11-25	0.1-10	Rain/thundershower likely at few places.	Rain/thundershower likely at few places.	Rain/thundershower likely at isolated places.
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	0.1-10	11-25	0.1-10	Rain/thundershower likely at isolated places.	Rain/thundershower likely at few places.	Rain/thundershower likely at isolated places.

3	Sahibi Nadi Catchment	Sahibi Nadi	0.1-10	11-25	0.1-10	Rain/thundershower likely at isolated places.	Rain/thundershower likely at few places.	Rain/thundershower likely at isolated places.
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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	0.1-10	11-25	0.1-10	Rain/thundershower likely at isolated places.	Rain/thundershower likely at few places.	Rain/thundershower likely at isolated places.
2	do	Yamuna Mathura to Naini	0.1-10	11-25	11-25	Rain/thundershower likely at isolated places.	Rain/thundershower likely at few places.	Rain/thundershower likely at few places.
3	do	Kunwari	11-25	26-50	26-50	Rain/thundershower likely at few places.	Rain/thundershower likely at many places.	Rain/thundershower likely at many places.
4	do	Sind	11-25	26-50	26-50	Rain/thundershower likely at few places.	Rain/thundershower likely at many places.	Rain/thundershower likely at many places.
5	do	Betwa	11-25	26-50	50-100	Rain/thundershower likely at few places.	Rain/thundershower likely at many places.	Rain/thundershower likely at most places.
6	do	Ken	11-25	26-50	50-100	Rain/thundershower likely at few places.	Rain/thundershower likely at many places.	Rain/thundershower likely at most places.
7	do	Lower Chambal	11-25	26-50	26-50	Rain/thundershower likely at few places.	Rain/thundershower likely at many places.	Rain/thundershower likely at many places.
8	do	Upper Chambal	0.1-10	11-25	11-25	Rain/thundershower likely at isolated places.	Rain/thundershower likely at few places.	Rain/thundershower likely at few places.

II. HEAVY RAINFALL WARNING:

NAME OF BASIN/SUB- BASIN	FMO NEW DELHI		
	Day-1	Day-2	Day-3
Upper Yamuna Catchment	Isolated heavy	Isolated heavy	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	Isolated heavy	NIL
Yamuna Mathura to Naini	Isolated heavy	Isolated heavy	Isolated heavy
Kunwari	Isolated heavy	Isolated heavy to very heavy	Isolated heavy
Sind	Isolated heavy	Isolated heavy to very heavy	Isolated heavy to very heavy
Betwa	Isolated heavy	Isolated heavy to very heavy	Scattered heavy to Isolated very heavy
Ken	Isolated heavy	Isolated heavy to very heavy	Scattered heavy to Isolated very heavy
Lower Chambal	Isolated heavy	Isolated heavy to very heavy	Isolated heavy
Upper Chambal	Isolated heavy	Isolated heavy	Isolated heavy

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	INCREASE	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE
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	NO LARGE CHANGE	INCREASE	NO LARGE CHANGE
Yamuna Mathura to Naini	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	DECREASE
Kunwari	DECREASE	NO LARGE CHANGE	INCREASE	NO LARGE CHANGE
Sind	DECREASE	NO LARGE CHANGE	INCREASE	NO LARGE CHANGE
Betwa	DECREASE	DECREASE	INCREASE	DECREASE
Ken	DECREASE	DECREASE	INCREASE	DECREASE
Lower Chambal	DECREASE	INCREASE	NO LARGE CHANGE	NO LARGE CHANGE
Upper Chambal	DECREASE	INCREASE	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	KOTKHAI & BARKOT 5 EACH
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	----
Kunwari	BHIND 7
Sind	----

Betwa	----
Ken	----
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)	18.4
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	1.4
3	Sahibi Nadi Catchment	Sahibi Nadi	0.0

FMO AGRA (LOWER YAMUNA CATCHMENT-II)

1	Lower Yamuna Catchment-II	Gambhir	0.0
2	do	Yamuna Mathura to Naini	3.5
3	do	Kunwari	16.5
4	do	Sind	0.0
5	do	Betwa	5.7
6	do	Ken	3.0
7	do	Lower Chambal	2.2
8	do	Upper Chambal	0.3

VII. 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	35.2	Ambala	2.1	Karnal	4.0	Dadri Toye	0.0
Solan	34.4	Paonta	5.0	Delhi Rly Bri.	0.0	Dhansa	0.0
Chandigarh	21.2	Tajewala	2.8	Palam (DLH)	0.3	Rewari	0.0
Jateon Brg.	13.0	Dadupur	19.0	Mathura	0.0	Massani Brg.	0.0
Nahan	42.8	Dehradun	4.2			Jaipur	6.0
Haripur	2.8	Patiala	2.2				
Bausan	N/A	Saharanpur	2.0				
Total R/F in Delhi (SFD) in mm during last 24 hrs					0.7		
Total R/F in New Delhi (SFD) (in mm) (Till Date from 1 st June,15)					390.8		
Normal R/F in New Delhi (SFD) (in mm) (Till Date from 1 st June, 15)					399.2		

LOCAL FORECAST FOR DELHI & N/HOOD: Generally cloudy sky with light rain/thundershowers likely to occur. The maximum and minimum temp would be around 35 and 28 deg cel respectively.

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LEGEND

M.Dry: Mainly dry; RATS: Rain or Thundershower area. ISOL: Rainfall covering 01 to 25% of area.
L: Light rain (< 1 cm) SCT: Rainfall covering 26 to 50% of area.
M: Moderate rain (1 to 3 cm) area. FW: Rainfall covering 51 to 75% of area. RH: Rather heavy rain (4 to 6 cm) WS: Rainfall covering 76 to 100% of area.
H: Heavy rain (7 to 12 cm)
VH: Very Heavy rain (13 to 24 cm)
EH: Extremely Heavy rain (\geq 25 cm)

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

Probability of occurrence: Could Occur (<25%); May Occur (26-50%); Would Occur (51-75%); Will Occur (75-100%)