

भारत सरकार  
 भारत मौसम विज्ञान विभाग  
 (पृथ्वी विज्ञान मंत्रालय)  
 बाढ़ मौसम कार्यालय  
 प्रा.मौ.पू. केन्द्र लोदी रोड नई दिल्ली.  
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## **HYDROMET BULLETIN:**

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

A fresh Western disturbance as a trough in midtropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 65°E to the north of Lat. 30°N persists. The Western disturbance as a trough in midtropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 80°E to the north of Lat. 32°N has become less marked.

A trough in midtropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 90°E to the north of Lat. 24°N.

The cyclonic circulation over north Punjab & neighbourhood extending upto 0.9 km above mean sea level persist.

A trough runs from this system to northwest Madhya Pradesh across south Haryana and northeast Rajasthan and extends upto 0.9 km above mean sea level.

The cyclonic circulation over northwest Uttar Pradesh & neighbourhood extending upto 0.9 km above mean sea level persists.

### **2. 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)	0.1-10	0.1-10	0.1-10	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)	0.1-10	0.1-10	00	Rain/thundershower likely at isolated places.	Rain/thundershower likely at isolated places.	DRY WEATHER.

3	Sahibi Nadi Catchment	Sahibi Nadi	0.1-10	00	00	Rain/thundershower likely at isolated places.	DRY WEATHER.	DRY WEATHER.
<b>FMO AGRA (LOWER YAMUNA CATCHMENT-II)</b>								
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	00	00	Rain/thundershower likely at isolated places.	DRY WEATHER.	DRY WEATHER.
2	do	Yamuna Mathura to Naini	00	00	00	DRY WEATHER.	DRY WEATHER.	DRY WEATHER.
3	do	Kunwari	0.1-10	0.1-10	00	Rain/thundershower likely at isolated places.	Rain/thundershower likely at isolated places.	DRY WEATHER.
4	do	Sind	0.1-10	0.1-10	00	Rain/thundershower likely at isolated places.	Rain/thundershower likely at isolated places.	DRY WEATHER.
5	do	Betwa	0.1-10	0.1-10	00	Rain/thundershower likely at isolated places.	Rain/thundershower likely at isolated places.	DRY WEATHER.
6	do	Ken	0.1-10	0.1-10	00	Rain/thundershower likely at isolated places.	Rain/thundershower likely at isolated places.	DRY WEATHER.
7	do	Lower Chambal	00	00	00	DRY WEATHER.	DRY WEATHER.	DRY WEATHER.
8	do	Upper Chambal	0.1-10	00	00	Rain/thundershower likely at isolated places.	DRY WEATHER.	DRY WEATHER.

### 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
<b>FMO AGRA (LOWER YAMUNA CATCHMENT-II)</b>			
NAME OF BASIN/SUB- BASIN	<b>Day-1</b>	<b>Day-2</b>	<b>Day-3</b>
<b>(LOWER YAMUNA-II)</b> <b>Gambhir</b>	NIL	NIL	NIL
<b>Yamuna Mathura to Naini</b>	NIL	NIL	NIL
<b>Kunwari</b>	NIL	NIL	NIL
<b>Sind</b>	NIL	NIL	NIL
<b>Betwa</b>	NIL	NIL	NIL
<b>Ken</b>	NIL	NIL	NIL
<b>Lower Chambal</b>	NIL	NIL	NIL
<b>Upper Chambal</b>	NIL	NIL	NIL

#### **IV. OUTLOOK FOR SUBSEQUENT FOUR DAYS**

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

<b>Betwa</b>	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	INCREASE
<b>Ken</b>	NO LARGE CHANGE	NO LARGE CHANGE	NO LARGE CHANGE	INCREASE
<b>Lower Chambal</b>	NO LARGE CHANGE	NO LARGE CHANGE	INCREASE	NO LARGE CHANGE
<b>Upper Chambal</b>	NO LARGE CHANGE	NO LARGE CHANGE	INCREASE	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	Karnal 6
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	--
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)	0.7
2	Lower Yamuna Catchment-I	(Yamuna upto Mathura)	3.4

3	Sahibi Nadi Catchment	Sahibi Nadi	0.0
<b>FMO AGRA (LOWER YAMUNA CATCHMENT-II)</b>			
1	Lower Yamuna Catchment-II	Gambhir	0.0
2	do	Yamuna Mathura to Naini	0.0
3	do	Kunwari	0.0
4	do	Sind	0.0
5	do	Betwa	0.2
6	do	Ken	0.0
7	do	Lower Chambal	0.3
8	do	Upper Chambal	0.2

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

<b>Yamuna Catchment</b>						<b>Sahibi Nadi Catchment</b>	
Stations	R/F (mm)	Stations	R/F (mm)	Stations	R/F (mm)	Stations	R/F (mm)
Shimla	4.4	Ambala	0.8	Karnal	0.0	Dadri Toye	0.0
Solan	0.6	Paonta	1.4	Delhi Rly Bri.	0.0	Dhansa	0.0
Chandigarh	0.6	Tajewala	1.4	Palam (DLH)	0.0	Rewari	0.0
Jateon Brg.	1.2	Dadupur	0.0	Mathura	0.0	Massani Brg.	0.0
Nahan	1.1	Dehradun	0.0			Jaipur	0.0
Haripur	0.0	Patiala	3.0				
Bausan	n/a	Saharanpur	10.0				
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 <sup>st</sup> June,15)					04.7		
Normal R/F in New Delhi (SFD) ( in mm ) (Till Date from 1 <sup>st</sup> June, 15)					23.9		
<b>LOCAL FORECAST FOR DELHI &amp; N/HOOD: Partly cloudy sky. Rain/thundershowers with strong gusty winds towards evening/night. The maximum and minimum temp would be around 38 and 28 deg cel respectively.</b>							

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#### LEGEND

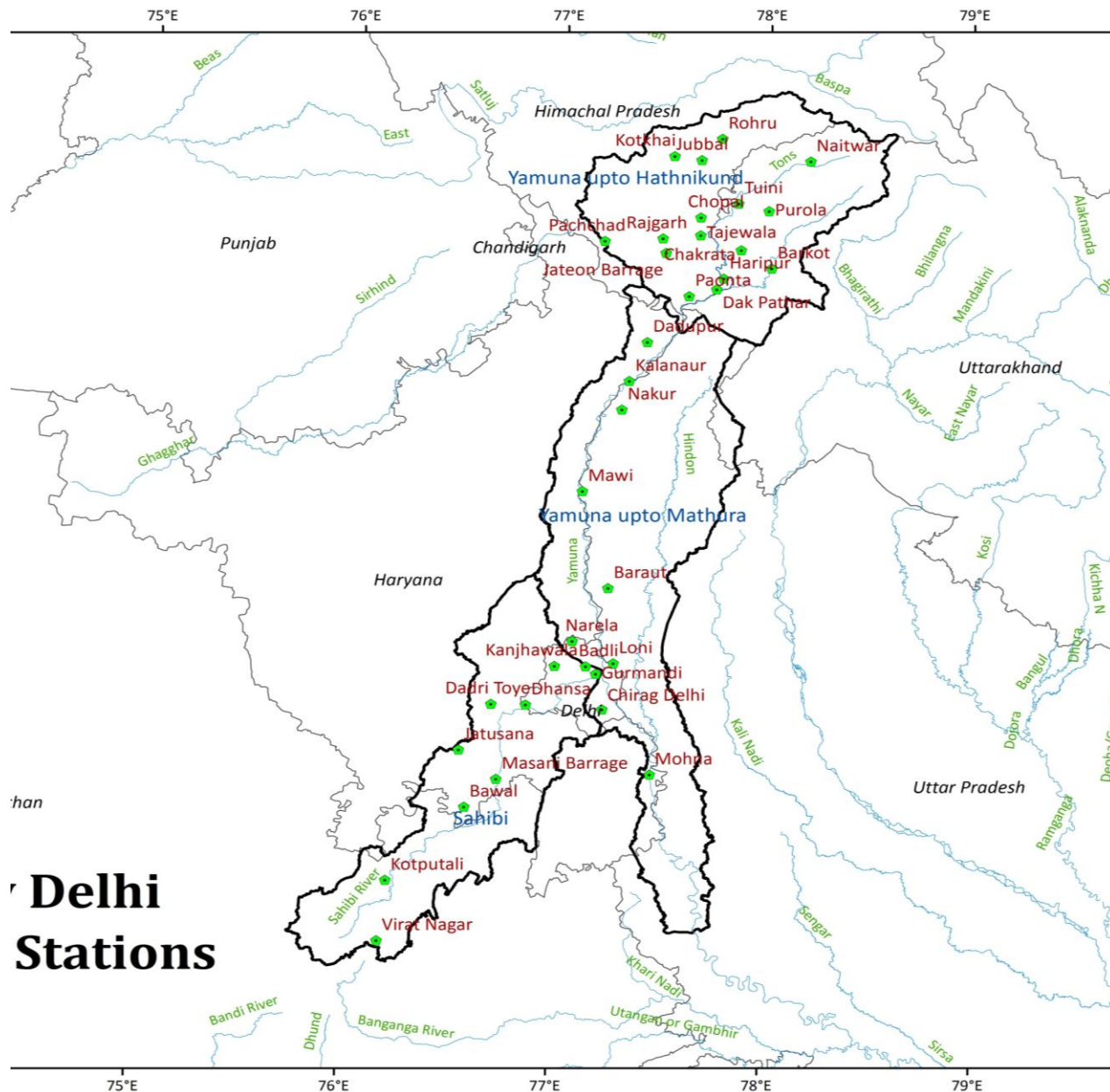
M.Dry: Mainly dry; RATS: Rain or Thundershower      ISOL: Rainfall covering 01 to 25% of area.  
L: Light rain (< 1 cm)      SCT: Rainfall covering 26 to 50% of area.

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; 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%)

## FMO DELHI CATCHMENT



**Delhi Stations**



**FMO AGRA  
CATCHMENT**



# FMO, Agra

## Rain-Gauge Stations

**Legend**

- State
- Basins
- Rain-Gauge Station
- River

