

**HYDROMET BULLETIN**

Dated: 17/06/2024

**1) Synoptic Situation: -**

- The Northern Limit of Monsoon continues to pass through 20.5°N/60°E, 20.5°N/63°E, 20.5°N/70°E, Navsari, Jalgaon, Amravati, Chandrapur, Bijapur, Sukma, Malkangiri, Vizianagaram, 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.
- Conditions are favourable for further advance of Southwest Monsoon into some more parts of Maharashtra, Chhattisgarh, Odisha, Coastal Andhra Pradesh & Northwest Bay of Bengal, some parts of Gangetic West Bengal, remaining parts of Sub Himalayan West Bengal and some parts of Bihar during next 4 days.
- The cyclonic circulation over Southwest & adjoining Westcentral Bay of Bengal between 3.1 km & 7.6 km above mean sea level has become less marked.

**(a) River Sub-basin-wise Quantitative Precipitation Forecast (QPF)**

S. No.	Basin Name	Sub-basin Name	QPF (mm)						
			Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Day-7
			(17/06/2024)*	(18/06/2024)*	(19/06/2024)*	(20/06/2024)*	(21/06/2024)*	(22/06/2024)*	(23/06/2024)*
1.	Ganga	Kosi/Mahananda	0.1-10	0.1-10	0.1-10	11-25	11-25	11-25	11-25
2.		Bagmati/ Adhawara	0	0	0.1-10	0.1-10	0.1-10	11-25	11-25
3.		Gandak	0	0	0.1-10	0.1-10	0.1-10	0.1-10	11-25
4.		Sone	0	0	0	0.1-10	0.1-10	0.1-10	0.1-10
5.		Punpun/DhabNadi	0	0	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
6.		North Koel	0	0	0	0.1-10	0.1-10	0.1-10	0.1-10
7.		Kanhar	0	0	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
8.		Upper Sone	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	11-25

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

## b) River Sub-basin-wise Intensity and Distribution of QPF

S . N o.	Basin Name	Sub-basin Name	Intensity (I) and Spatial Distribution (D)													
			Day-1		Day-2		Day-3		Day-4		Day-5		Day-6		Day-7	
			(17/06/2024)*		(18/06/2024)*		(19/06/2024)*		(20/06/2024)*		(21/06/2024)*		(22/06/2024)*		(23/06/2024)*	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	Ganga	Kosi/Mahana nda	L	ISOL	L	ISOL	L	ISOL	M	SCT	M	FW S	M	FW S	M	FWS
2		Bagmati/ Adhawara	M.Dry	DRY	M.Dr y	DR Y	L	ISOL	L	ISO L	L	ISO L	M	FW S	M	FWS
3		Gandak	M.Dry	DRY	M.Dr y	DR Y	L	ISOL	L	ISO L	L	ISO L	L	ISO L	M	FWS
4		Sone	M.Dry	DRY	M.Dr y	DR Y	M.Dr y	DRY	L	ISO L	L	ISO L	L	ISO L	L	ISOL
5		Punpun/Dha b Nadi	M.Dry	DRY	M.Dr y	DR Y	L	ISOL	L	ISO L	L	ISO L	L	ISO L	L	ISOL
6		North Koel	M.Dry	DRY	M.Dr y	DR Y	M.Dr y	DRY	L	ISO L	L	ISO L	L	ISO L	L	ISOL
7		Kanhar	M.Dry	DRY	M.Dr y	DR Y	L	ISOL	L	ISO L	L	ISO L	L	ISO L	L	ISOL
8		Upper Sone	L	ISOL	L	ISOL	L	ISOL	L	ISO L	L	ISO L	L	ISO L	M	FWS

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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### 3) River Sub-basin-wise Heavy Rainfall Warning

S. No.	Bas in Name	Sub-basin Name	Day-1		Day-2		Day-3		Day-4		Day-5		Day-6		Day-7	
			(17/06/2024)*		(18/06/2024)*		(19/06/2024)*		(20/06/2024)*		(21/06/2024)*		(22/06/2024)*		(23/06/2024)*	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	Ganga	Kosi/Mahana nda	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	H	ISO L	H	ISOL	H	ISOL
2		Bagmati/ Adhawara	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	H	ISOL	H	ISOL
3		Gandak	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	H	ISOL
4		Sone	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5		Punpun/Dha bNadi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6		North Koel	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7		Kanhar	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
8		Upper Sone	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

S. No		Name of Sub-Basin	Name of Station and Rainfall( $\geq$ 5 cm. )
1	<b>Ganga</b>	<b>Kosi/Mahananda</b>	<b>NIL.</b>
2		<b>Bagmati/ Adhawara</b>	<b>NIL.</b>
3		<b>Gandak</b>	<b>NIL.</b>
4		<b>Sone</b>	<b>NIL.</b>
5		<b>Punpun/DhabNadi</b>	<b>NIL.</b>
6		<b>North Koel</b>	<b>NIL.</b>
7		<b>Kanhar</b>	<b>NIL.</b>
8		<b>Upper Sone</b>	<b>NIL.</b>

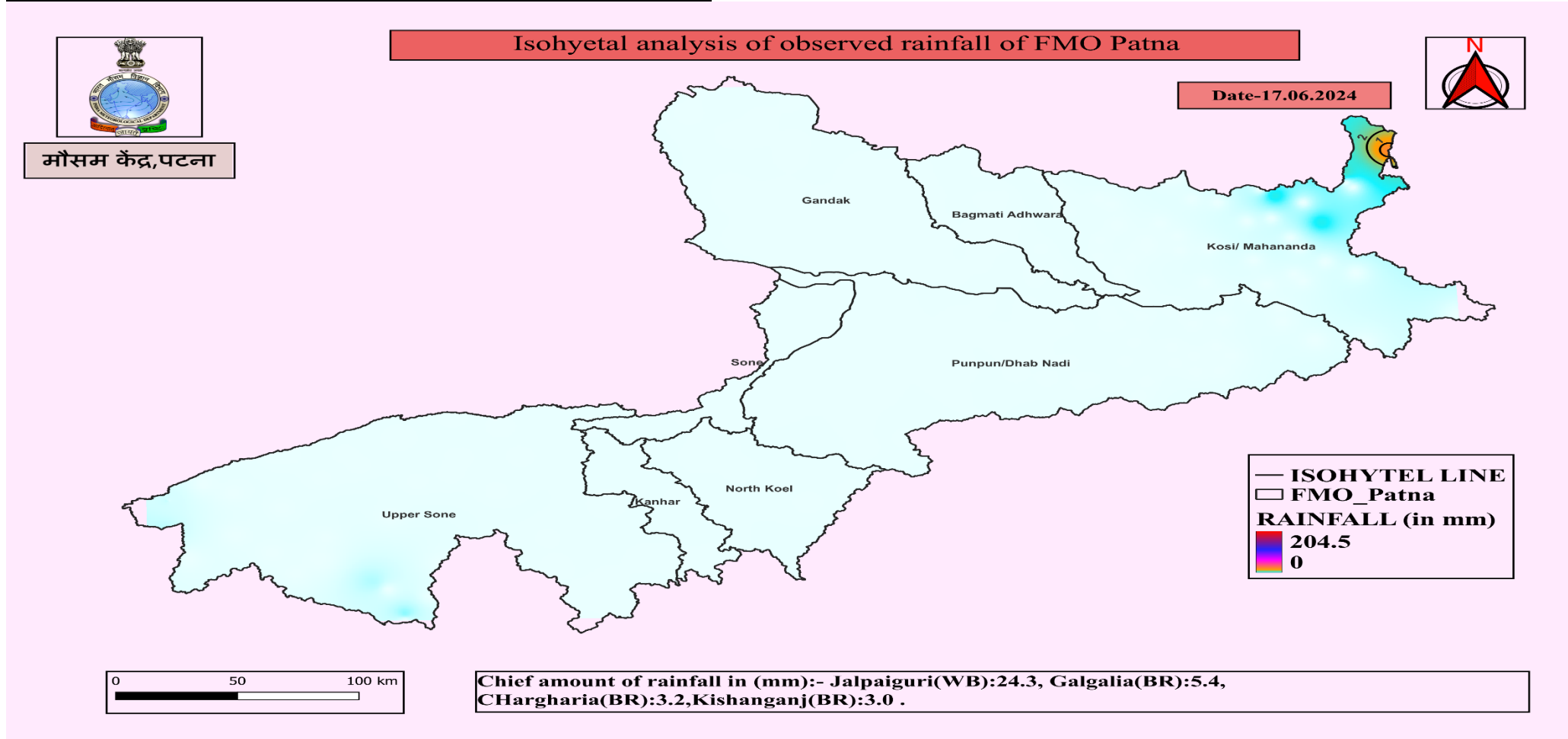
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**6) River Sub-basin-wise observed Average Areal Precipitation (AAP) of today**

<b>S. No.</b>	<b>Basin Name</b>	<b>Sub-basin Name</b>	<b>AAP (mm)</b>
1	<b>Ganga</b>	<b>Kosi/Mahananda</b>	<b>2.0</b>
2		<b>Bagmati/ Adhawara</b>	<b>0.0</b>
3		<b>Gandak</b>	<b>0.0</b>
4		<b>Sone</b>	<b>0.0</b>
5		<b>Punpun/DhabNadi</b>	<b>0.0</b>
6		<b>North Koel</b>	<b>0.0</b>
7		<b>Kanhar</b>	<b>0.0</b>
8		<b>Upper Sone</b>	<b>0.0</b>

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## 7) Isohyetal analysis of observed rainfall of FMO Patna



Flood Met. Office, Patna

Phone: 0612-2226632

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