



Dated: 03/07/2025  
Time of Issue: 1350 hrs. IST

### हाइड्रोमेट बुलेटिन - HYDROMET BULLETIN

**1.Synoptic Situation:** An upper air cyclonic circulation lay over north Odisha adjoining Gangetic West Bengal between 1.5 km & 5.8 km above mean sea level, tilting southwestward with height in the morning at 0530 hrs IST of today, 3rd July 2025. Yesterday's cyclonic circulation over south Jharkhand & neighbourhood extending up to 5.8 km above mean sea level has merged with the above cyclonic circulation and persists at 0830 hrs IST of today, 3rd July 2025. An off-shore trough at sea level runs along Maharashtra-Karnataka coasts.

### 2a) Sub-basin-wise Quantitative Precipitation Forecast (QPF):

Sl. No	Basin Name	Sub-basin Name	QPF (mm)						
			Day-1 (03/07/2025)	Day-2 (04/07/2025)	Day-3 (05/07/2025)	Day-4 (06/07/2025)	Day-5 (07/07/2025)	Day-6 (08/07/2025)	Day-7 (09/07/2025)
1	West Flowing Rivers	Bharathapuzha	11-25	0.1-10	11-25	0.1-10	0.1-10	0.1-10	0.1-10
2	West Flowing Rivers	Periyar	11-25	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
3	West Flowing Rivers	Lower Periyar	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
4	West Flowing Rivers	Upper Periyar	11-25	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
5	West Flowing Rivers	Chalakkudi	11-25	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
6	West Flowing Rivers	Meenachil	11-25	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
7	West Flowing Rivers	Pamba	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
8	West Flowing Rivers	Achankoil	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100
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## 2. b) River Sub-basin-wise Intensity and Distribution of QPF

S. No.	Basin Name	Sub-basin Name	Intensity (I) and Spatial Distribution (D)													
			Day-1 (03/07/2025)		Day-2 (04/07/2025)		Day-3 (05/07/2025)		Day-4 (06/07/2025)		Day-5 (07/07/2025)		Day-6 (08/07/2025)		Day-7 (09/07/2025)	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	WEST FLOWING RIVERS	Bharathapuzha	H	WS	M	WS	H	WS	M	FWS	M	FWS	M	FWS	M	FWS
2		Periyar	M	WS	M	WS	M	WS	M	FWS	M	FWS	M	FWS	M	FWS
3		Lower Periyar	M	WS	M	WS	H	WS	M	FWS	M	FWS	M	FWS	M	FWS
4		Upper Periyar	M	WS	M	WS	M	WS	M	FWS	M	FWS	M	FWS	M	FWS
5		Chalakkudi	M	WS	M	WS	H	WS	M	FWS	M	FWS	M	FWS	M	FWS
6		Meenachil	M	WS	M	WS	M	WS	M	FWS	M	FWS	M	FWS	M	FWS
7		Pamba	M	WS	M	WS	M	WS	M	FWS	M	FWS	M	FWS	M	FWS
8		Achankoil	M	WS	M	WS	M	WS	M	FWS	M	FWS	M	FWS	M	FWS

Spatial Distribution		
Dry	Dry	No station recorded rainfall
SOL	One or two places	25% or less number of stations recorded rainfall of 0.1 mm
SCT	At a few places	26%-50 % of stations recorded rainfall of 0.1 mm
FWS	At many places	51%-75 % of stations recorded rainfall of 0.1 mm
WS	At most places	76%-100 % of stations recorded rainfall of 0.1 mm

Intensity			
M Dry	NIL	VL	Very light Rainfall, trace
L	Light Rainfall , upto 1 cm	M	Moderate Rainfall, 2-6 cm
H	Heavy Rainfall, 7-11 cm	VH	Very Heavy Rainfall, 12-20 cm
EH	Extremely Heavy Rainfall (21 cm or more)		
Ex H	Exceptionally Heavy Rainfall ( Highest ever recorded rainfall at or near the station for the month or season provided the actual rainfall amount exceeds 12 cm		

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

### 3. River Sub-basin-wise Heavy Rainfall Warning

S. No.	Basin Name	Sub-basin Name	Day-1 (03/07/2025)		Day-2 (04/07/2025)		Day-3 (05/07/2025)		Day-4 (06/07/2025)		Day-5 (07/07/2025)	
			I	D	I	D	I	D	I	D	I	D
1.	WEST FLOWING RIVERS	Bharathapuzha	H	ISOL			H	ISOL				
2.		Periyar										
3.		Lower Periyar					H	ISOL				
4.		Upper Periyar										
5.		Chalakudi					H	ISOL				
6.		Meenachil										
7.		Pamba										
8.		Achankoil										

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#### 4. River Sub-basin-wise Probabilistic QPF

Sub-basin Name	Day-1 (03/07/2025) (QPF categories)						Day-2 (04/07/2025) (QPF categories)						Day-3 (05/07/2025) (QPF categories)						Day-4 (06/07/2025) (QPF categories)						Day-5 (07/07/2025) (QPF categories)						Day-6 (08/07/2025) (QPF categories)						Day-7 (09/07/2025) (QPF categories)						
	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	0	0.1-10	11-25	26-50	51-100	>100	
Bharathapuzh a																																											
Periyar																																											
Lower Periyar																																											
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Chalakudi																																											
Meenachil																																											
Pamba																																											
Achankoil																																											

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

S. No.	Basin Name	Name of Sub-Basin	Name of Station and Rainfall in mm ( $\geq 5$ cm.)
1	WEST FLOWING RIVERS	Bharathapuzha	-
2		Periyar	-
3		Lower Periyar	-
4		Upper Periyar	-
5		Chalakudi	-
6		Meenachil	-
7		Pamba	-
8		Achankoil	-

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

S. No.	Basin Name	Name of Sub-Basin	AAP VAUES
1.	WEST FLOWING RIVER	Bharathapuzha	21.0
2.	WEST FLOWING RIVER	Chalakudi	17.6
3.	WEST FLOWING RIVER	Lower Periyar	16.3
4.	WEST FLOWING RIVER	Upper Periyar	15.7
5.	WEST FLOWING RIVER	Meenachil	16.6
6.	WEST FLOWING RIVER	Pamba	12.7
7.	WEST FLOWING RIVER	Achankoil	3.4
8.	WEST FLOWING RIVER	Periyar	13.0

for Head,  
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