

भारत सरकार
भारत मौसम विज्ञान विभाग
(पृथ्वी विज्ञान मंत्रालय)



GOVERNMENT OF INDIA
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Hydromet Bulletin

I. SYNOPTIC SITUATION:-

The well marked low pressure area over northwest Bay of Bengal & adjoining West Bengal and Odisha coasts concentrated into a Depression and lay centred at 0830 hours IST of today, the 21st July 2018 over the northwest Bay of Bengal near latitude 21.0°N and longitude 88.0°E, about 120 km eastsoutheast of Balasore, 90 km south southeast of Digha and 130 km eastnortheast of Chandbali. It is very likely to move west northwestwards and cross north Odisha and West Bengal coast between Chandbali and Digha, close to Balasore around evening of today, the 21st July 2018. The axis of monsoon trough at mean sea level now passes through Anupgarh, Jaipur, Shivpuri, Tikamgarh, Varanasi, Jamshedpur, centre of depression over northwest Bay of Bengal and thence southeastwards to eastcentral Bay of Bengal extending upto 2.1 km above mean sea level.

II. FORECAST

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	SUBARNAREKHA		26-50	11-25	0.1-10	M would occur at WS	L-M would occur at WS	L would occur at FWS
2	BURHABALANG		26-50	11-25	0.1-10	M would occur at WS	L-M would occur at WS	L would occur at FWS
3	BAITARANI		26-50	26-50	0.1-10	M would occur at WS	M would occur at WS	L would occur at FWS
4	UPPER BRAHMANI		26-50	26-50	0.1-10	M would occur at WS	M would occur at WS	L would occur at FWS
5	LOWER BRAHMANI		51-100	11-25	0.1-10	M-H would occur at WS	L-M would occur at WS	L would occur at FWS
6	UPPER MAHANADI		51-100	26-50	0.1-10	M-H would occur at WS	M would occur at WS	L would occur at FWS
7	LOWER MAHANADI		51-100	11-25	0.1-10	M-H would occur at WS	L-M would occur at WS	L would occur at FWS
8	RUSHIKULYA		51-100	11-25	0.1-10	M-H would occur at WS	L-M would occur at WS	L would occur at FWS
9	VAMSADHARA		51-100	11-25	0.1-10	M-H would occur at WS	L-M would occur at WS	L would occur at FWS

III. HEAVY RAINFALL WARNING

NAME OF BASIN/SUB-BASIN	Day-1	Day-2	Day-3
SUBARNAREKHA	H-VH WOULD OCCUR AT SCT		NIL
BURHABALANG	H-VH WOULD OCCUR AT SCT		NIL
BAITARANI	H-VH WOULD OCCUR AT SCT	H WOULD OCCUR AT ISOL	NIL
UPPER BRAHMANI	H-VH WOULD OCCUR AT SCT	H-VH WOULD OCCUR AT ISOL	NIL
LOWER BRAHMANI	H-VH SCT WITH EH WOULD OCCUR AT ISOL	H WOULD OCCUR AT ISOL	NIL
UPPER MAHANADI	H-VH SCT WITH EH WOULD OCCUR AT ISOL	H-VH SCT WITH EH WOULD OCCUR AT ISOL	NIL
LOWER MAHANADI	H-VH SCT WITH EH WOULD OCCUR AT ISOL	H WOULD OCCUR AT ISOL	NIL
RUSHIKULYA	H-VH SCT WITH EH WOULD OCCUR AT ISOL		NIL
VAMSADHARA	H-VH SCT WITH EH WOULD OCCUR AT ISOL		NIL

OUTLOOK FOR SUBSEQUENT FOUR DAYS

NAME OF BASIN/SUB-BASIN	Day-4	Day-5	Day-6	Day-7
SUBARNAREKHA	No significant change	No significant change	No significant change	No significant change
BURHABALANG	No significant change	No significant change	No significant change	No significant change
BAITARANI	No significant change	No significant change	No significant change	No significant change
UPPER BRAHMANI	No significant change	No significant change	No significant change	No significant change
LOWER BRAHMANI	No significant change	No significant change	No significant change	No significant change
UPPER MAHANADI	No significant change	No significant change	No significant change	No significant change
LOWER MAHANADI	No significant change	No significant change	No significant change	No significant change
RUSHIKULYA	No significant change	No significant change	No significant change	No significant change
VAMSADHARA	No significant change	No significant change	No significant change	No significant change

V. STATIONS RECORDED SIG. RAINFALL (≥ 5 cm) RECORDED AT 0830 HRS IST OF TODAY:

NAME OF SUB-BASIN	NAME OF STATION (RAINFALL), ...
SUBARNAREKHA	Jaleswar=65.0, Rajghat=96.7
BURHABALANG	Balasore=52.5, Baripada=59.0, Bonth=80.2, Jaipur=59.8, Nilagiri=58.0
BAITARANI	Akhuapada=92.8, Jajpur=95.0
LOWER BRAHMANI	Dhenkanal=74.2, Jenapur=62.6, Sukinda=54.2
UPPER MAHANADI	Ambabhona=59.0, Jagdalpur=58.7, Korba=77.6, Kurubhatta=67.0, Kelo=64.0, Surajgarh=77.6
LOWWER MAHANADI	Athagarh=90.0, Banpur=85.0, Bhawanipatna=126.0, Bhubaneswar=194.8, Cuttack=211.2, Jaipatna=210.0, JUnagarh=256.0, Kanas=195.0, Kesinga=198.8, M.Rampur=199.0, Mundali=164.6, Naraj=142.0, Nimapara=90.6, Paradeep=81.1, Pipili=240.0, Puri=268.9, Salebhata=115.8, Titlagarh=108.6, Lanjigarh=83.6
RUSIKULYA	Berhampur=92.4, Chhatrapur=70.2, Gopalpur=80.4, Purusottampur=49.2
VANSADHARA	Gotta barrage=92.6, Gunupur=90.8, Kasinagar=76.8, Kotraguda=59.4, Kotagarh=90.0, Rayagada=88.3, R. Udaygiri=94.0, Paralakhemundi=63.0, Manendragarh=53.8

VI. REALISED BASIN AVERAGE RAINFALL FOR 24 HOURS AT 0830 HRS IST OF TODAY:

S. No.	BASINS NAME	SUB-BASIN CODE/NAME	REALISED AVERAGE RAINFALL (mm)
1	SUBARNAREKHA		26.6
2	BURHABALANG		48.8
3	BAITARANI		28.8
4	UPPER BRAHMANI		11.9
5	LOWER BRAHMANI		29.0
6	UPPER MAHANADI		17.1
7	LOWER MAHANADI		69.9
8	RUSHIKULYA		48.1
9	VAMSADHARA		69.5

(K. Murmu, Met-B)
for Director In Charge,
FLOOD MET.OFFICE,
M.C. BHUBANESWAR

LEGEND:

M Dry: Mainly Dry
L: Light rain (upto 1 cm.)
M: Moderate rain (02 to 06 cm.)
H: Heavy rain (07 to 11 cm.)
VH: Very Heavy rain (12 to 20 cm.)
EH: **Extremely** Heavy rain (21cm. or more)

ISOL: Rainfall covering 1 to 25% of area.
SCT: Rainfall covering 26 to 50% of area.
FW: Rainfall covering 51 to 75% of area.
WS: Rainfall covering 76 to 100% of area.

QPF Range: 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 (76-100%)

ExH : Exceptionally Heavy rainfall

When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm.