



Government of Odisha  
**Department of Water Resources**

# Flood Bulletin, 2022

Volume No.42

**Date: 12.07.2022**

Time: 14:00 Hr



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## Flood Cell

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## Status of River Gauge

Date: 12.07.2022

Level in m.

Name of River	Gauge Site	Danger Level	Warning Level	Time (Hrs)	Present Level	Trend	Highest Recorded Level	
							Level	Date
Mahanadi	Khairmal	109.0	108.0	0800	101.17	S	108.31	19.09.08
	Tikarpara	-	-	0800	56.29	R	74.98	30.08.82
	Naraj (IB)	26.41	25.41	0800	22.12	R	27.60	31.08.82
Kusabhadra	Nimapara	10.76	9.85	0800	3.08	S	11.60	31.08.82
Devi	Alipingala	11.76	10.85	0800	1.94	S	13.05	20.09.08
Brahmani	Panposh	178.42	177.51	0800	171.33	S	181.44	24.09.11
	Rengali	88.0	-	0800	77.0	R	92.25	18.08.75
	Talcher	62.91	-	0800	54.19	S	65.53	19.08.75
	Jenapur	23.0	22.0	0800	18.41	S	24.78	20.08.75
	Indupur	8.23	-	0800	-	-	-	-
Baitarani	Champua	376.41	375.33	0800	371.38	S	379.06	23.09.11
	Swampatna	311.1	-	0800	304.98	S	315.66	14.08.75
	Anandapur	38.36	37.44	0800	32.63	R	41.80	19.08.75
	Akhuapada	17.83	-	0800	16.28	S	21.95	16.08.60
Budhabalanga	Chandanpur	-	-	0800	-	-	85.50	09.11.95
	Baripada	30.92	29.70	0800	22.0	S	37.20	12.10.73
	Balimundali	-	-	0800	37.02	S	42.20	1995
	NH5-Govindapur	8.13	7.21	0800	2.40	R	9.67	12.10.73
Subarnarekha	Jamshedpur	123.5	122.5	0800	115.32	F	129.82	12.10.73
	Jamsolaghat	49.16	48.32	0800	43.94	S	56.91	03.09.78
	Rajghat	10.36	9.45	0800	3.68	F	12.69	19.06.08
Rushikulya	Sorada	81.99	80.99	0800	77.8	S	83.21	04.11.90
	Madhabarida	60.65	-	0800	56.54	R	61.44	18.10.99
	Purusottampur	16.84	15.84	0800	12.33	F	19.60	04.11.90
Vansadhara	Gudari	-	-	0800	114.64	F	121.82	17.09.80
	Gunupur	84.0	83.0	0800	81.15	R	88.75	17.09.80
	Kashinagar	54.6	53.6	0800	52.89	R	58.93	18.09.80

N.B.: R = Rising, F= Falling, S= Steady, N.R = Not Received

### Status of Major Reservoirs

Name of the Reservoir	Dead Storage Level	FRL/ MWL	Reservoir Level	Live Storage Capacity/ LS Available(%)	Inflow	Total Outflow	Gates Open (Nos)
<b>1.Hirakud</b> 1200Hr	590.0 ft	630 ft	602.08 ft	<u>4822.83 Mcum</u> <u>884.0 Mcum</u> (18.3%)	28379.0 Cusec	28379.0 Cusec	0
<b>2.Rengali</b> <b>0800 Hr</b>	109.72 m	<u>123.5 m</u> 125.4 m	111.45 m.	<u>341371.0 Ham</u> <u>26471.0 Ham</u> (7.8%)	143.72 Cumec	130.33 Cumec	0
<b>3.U. Indravati</b> 0800 Hr	625.0 m	<u>642 m</u> 643 m	631.03 m.	<u>148550.0 Ham</u> <u>41221.0 Ham</u> (27.7%)	152.34 Cumec	26.69 Cumec	0
<b>4.Upper Kolab</b> 0800 Hr	844.0 m	858 m	846.39 m.	<u>935.0 Mcum</u> <u>100.40 Mcum</u> (10.7%)	80.52 Cumec	7.03 Cumec	0
<b>5.Balimela</b> 0800 Hr	1440.0 ft	<u>1516 ft</u> 1518 ft	1447.50 ft	<u>267600.0 Ham</u> <u>16283.0 Ham</u> (6.1%)	12517.0 Cusec	1454.24 Cusec	0
<b>6.Machhkund</b> <b>(Jalaput)</b> 0800 Hr	2685.0 ft	2750.0 ft	2688.30 ft	<u>89254.70 Ham</u> <u>1639.43 Ham</u> (1.8%)	1386.34 Cusec	1300.01 Cusec	0
<b>7.Salandi</b> 0600 Hr	50.24 m	<u>82.3 m</u> 83.21m	75.80 m.	<u>55650.0 Ham</u> <u>35926.0 Ham</u> (64.6%)	81.94 Cumec	13.77 Cumec	1
<b>8.Lower Indra</b> 0800 Hr	251.0 m	<u>265 m</u> 265 m	259.04 m.	<u>31425.2 Ham</u> <u>12741.5Ham</u> (40.5%)	51.01 Cumec	2.97 Cumec	0

**Note:** Total Outflow consists of Irrigation, Spillway, Sluice, Power generation, Industrial & other supply and Evaporation loss

### Average Inflow into & Outflow from Reservoir

Reservoir	Inflow	Outflow	Observation Period
<b>Hirakud</b>	31664.0 Cusec	30206.0 Cusec	During last 24Hrs ending 08:00Hrs of 12.07.22
<b>Rengali</b>	143.72 Cumec	206.57 Cumec	During last 24Hrs ending 06:00Hrs of 12.07.22

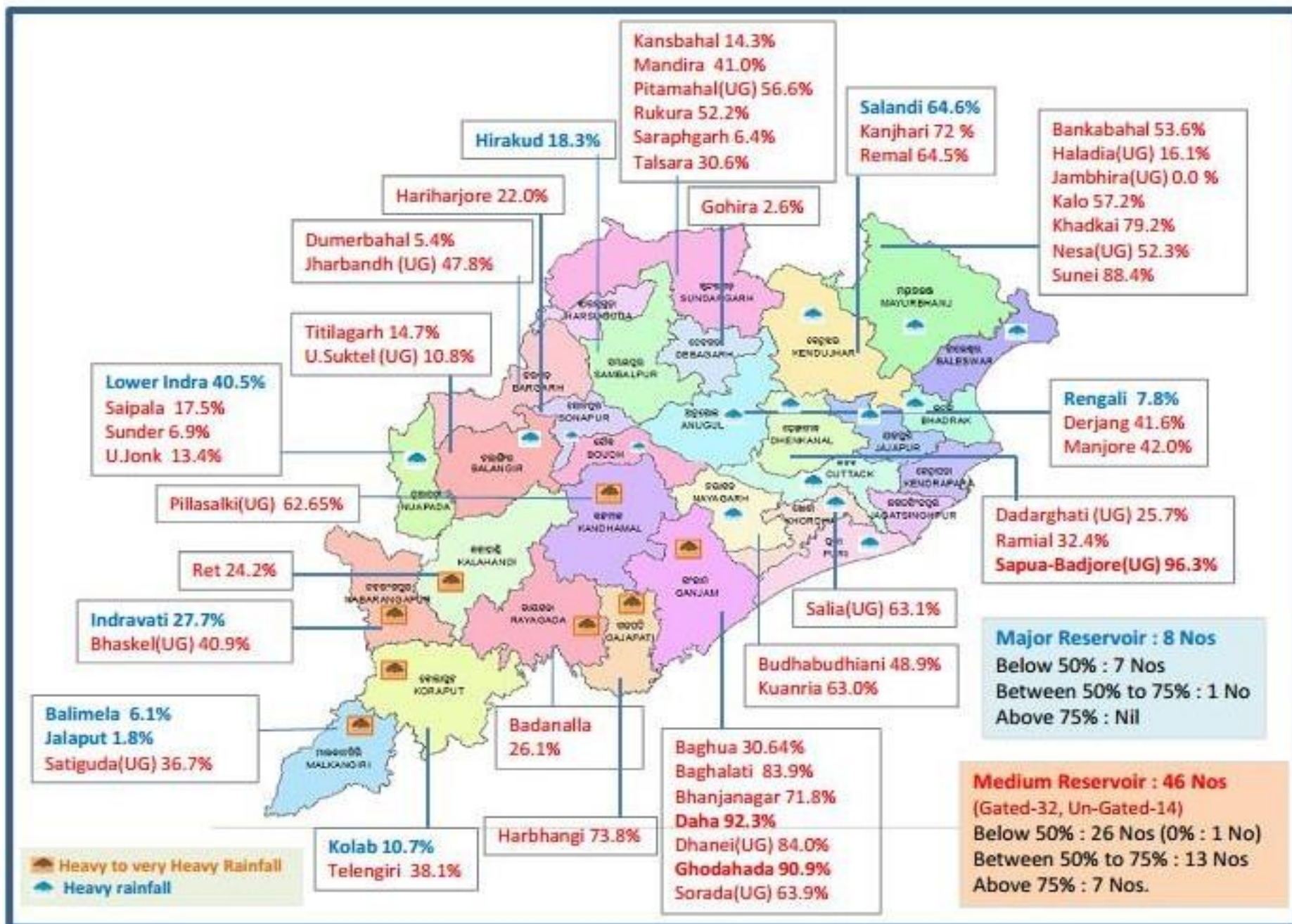
### Travel Time of Flow in Mahanadi River

Hirakud Dam	115 km	Khairmal	106 km	Barmul	95 km	Mundali
	12-18 Hrs		12-16 Hrs		12-16 Hrs	

### River Discharge

Name of the River	G&D Site	Time (Hrs)	Discharge (cusec)
<b>Mahanadi</b>	Khairmal	1200	47400
	Barmul	1200	41200
	Mundali	1200	33000
<b>Tel</b>	Patharla	1200	19659
<b>Brahmani</b>	Pankapal	0800	10824
<b>Subarnarekha</b>	Rajghat	0800	2276

## Live Storage Position of Major & Medium Reservoirs (12.07.2022)



भारत सरकार  
 भारत मौसम विज्ञान विभाग  
 (पृथ्वी विज्ञान मंत्रालय)  
 पता : मौसम विज्ञान केन्द्र, भुवनेश्वर  
 फोन न. २५९६०१० & २५९६११६  
 फैक्स न. २५९६०१० & २५९६०९३



GOVERNMENT OF INDIA  
 INDIA METEOROLOGICAL DEPARTMENT  
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Ref No: FM/HM Bulletin/42

Dated: 12/07/2022  
 Time of Issue: 1300 hrs IST

### HYDROMET BULLETIN

#### 1) Synoptic Situation

- ◆ The Low Pressure Area over Coastal Odisha & neighborhood now seen as Well Marked Low Pressure Area over south Coastal Odisha & neighbourhood and the associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height.
- ◆ The monsoon trough now passes through Jaisalmer, Kota, Raisen, Mandla, Raipur, Jharsiguda, center of Well Marked Low Pressure Area over south coastal Odisha & neighborhood and thence southeastwards to Eastcentral Bay of Bengal and extends upto 1.5 km above mean sea level.
- ◆ The east-west shear zone roughly along 20°N persists and seen between 3.1 km & 7.6 km above mean sea level tilting southwards with height across North Peninsular India.

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

S. No.	Basin Name	Sub-basin Name	QPF (mm)				
			Day-1 (12.07.22)	Day-2 (13.07.22)	Day-3 (14.07.22)	Day-4 (15.07.22)	Day-5 (16.07.22)
1	SUBARNAREKHA	SR	11-25	11-25	11-25	11-25	11-25
2	BURHABALANG	BB	11-25	11-25	26-37	11-25	11-25
3	BAITARANI	BT	11-25	11-25	11-25	11-25	11-25
4	UPPER BRAHMANI	UB	11-25	11-25	11-25	26-37	26-37
5	LOWER BRAHMANI	LB	11-25	11-25	26-37	11-25	11-25
6	UPPER MAHANADI	UM	11-25	26-37	11-25	26-37	26-37
7	LOWER MAHANADI	LM	26-37	11-25	26-37	26-37	11-25
8	RUSHIKULYA	RK	26-37	11-25	11-25	11-25	11-25
9	VAMSADHARA	VD	26-37	11-25	11-25	11-25	0.1-10
10	NAGAVALI	NV	11-25	11-25	11-25	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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**b) River Sub-basin-wise Intensity and Distribution of QPF**

S. No.	Basin Name	Sub-basin Name										
			Day-1 (12.07.22)		Day-2 (13.07.22)		Day-3 (14.07.2022)		Day-4 (15.07.2022)		Day-5 (16.07.2022)	
			I	D	I	D	I	D	I	D	I	D
1	SUBARNAREKHA	SR	M	WS	M	FWS	M	WS	M	WS	M	FWS
2	BURHABALANG	BB	M	WS	M	FWS	M	WS	M	WS	M	FWS
3	BAITARANI	BT	M	WS	M	FWS	M	WS	M	WS	M	WS
4	UPPER BRAHMANI	UB	M	WS	M	WS	M	WS	M	WS	M	WS
5	LOWER BRAHMANI	LB	M	WS	M	WS	M	WS	M	WS	M	WS
6	UPPER MAHANADI	UM	M	WS	M	WS	M	WS	M	WS	M	WS
7	LOWER MAHANADI	LM	M	WS	M	WS	M	WS	M	WS	M	WS
8	RUSHIKULYA	RK	M	WS	M	WS	M	WS	M	WS	M	FWS
9	VAMSADHARA	VD	M	WS	M	WS	M	WS	M	WS	L	FWS
10	NAGAVALI	NV	M	WS	M	WS	M	WS	L	WS	L	FWS

**Spatial Distribution**

DRY	Dry	No station reported rainfall
ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

**Intensity**

M.Dry	NIL	0 cm	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			
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.			

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

S. No	Basin Name	Sub-basin Name	Day-1 (12.07.22)		Day-2 (13.07.22)		Day-3 (14.07.22)		Day-4 (15.07.22)		Day-5 (16.07.22)	
			I	D	I	D	I	D	I	D	I	D
1	SUBARNAREKHA	SR	NIL	NIL	NIL	NIL	H	ISOL	H	ISOL	NIL	NIL
2	BURHABALANG	BB	NIL	NIL	NIL	NIL	H	ISOL	NIL	NIL	NIL	NIL
3	BAITARANI	BT	H	ISOL	H	ISOL	H	ISOL	H	ISOL	H	ISOL
4	UPPER BRAHMANI	UB	NIL	NIL	H	ISOL	H	ISOL	VH	ISOL	H	ISOL
5	LOWER BRAHMANI	LB	H	ISOL	H	ISOL	VH	ISOL	H	ISOL	NIL	NIL
6	UPPER MAHANADI	UM	H	ISOL	VH	ISOL	H	ISOL	VH	ISOL	VH	ISOL
7	LOWER MAHANADI	LM	VH	ISOL	H	ISOL	VH	ISOL	VH	ISOL	H	ISOL
8	RUSHIKULYA	RK	VH	ISOL	H	ISOL	H	ISOL	NIL	NIL	NIL	NIL
9	VAMSADHARA	VD	H	ISOL	NIL	NIL	H	ISOL	NIL	NIL	NIL	NIL
10	NAGAVALI	NV	H	ISOL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

#### Spatial Distribution

DRY	Dry	No station reported rainfall
ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

#### Intensity

M.Dry	NIL	0 cm	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			
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.			

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

Basin Name	Sub-basin Name	QPF Probability (%)																								
		Day-1 (12.07.22) (QPF categories)					Day-2 (13.07.22) (QPF categories)					Day-3 (14.07.2022) (QPF categories)					Day-4 (15.07.2022) (QPF categories)					Day-5 (16.07.2022) (QPF categories)				
		0	0.1-10	11-25	26-50	51-100	0	0.1-10	11-25	26-50	51-100	0	0.1-10	11-25	26-50	51-100	0	0.1-10	11-25	26-50	51-100	0	0.1-10	11-25	26-50	51-100
SUBARNAREKHA	SR																									
BURHABALANG	BB																									
BAITARANI	BT																									
UPPER BRAHMANI	UB																									
LOWER BRAHMANI	LB																									
UPPER MAHANADI	UM																									
LOWER MAHANADI	LM																									
RUSHIKULYA	RK																									
VAMSADHARA	VD																									
NAGAVALI	NV																									

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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#### 5) Outlook for subsequent two days

S No	Basin Name	Sub-basin Name	OUTLOOK	
			Day-6 (17.07.2022)	Day-7 (18.07.2022)
1	SUBARNAREKHA	SR	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
2	BURHABALANG	BB	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
3	BAITARANI	BT	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
4	UPPER BRAHMANI	UB	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
5	LOWER BRAHMANI	LB	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
6	UPPER MAHANADI	UM	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
7	LOWER MAHANADI	LM	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
8	RUSHIKULYA	RK	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
9	VAMSADHARA	VD	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL
10	NAGAVALI	NV	NO SIGNIFICANT CHANGE	SLIGHT DECREASE IN RAINFALL

**6) Station-wise significant rainfall recorded at 0830 hrs IST of today**

S. No.	Name Of Sub-Basin	Name Of Station And Rainfall ( ≥ 54.5 Mm. )
1	BAITARANI	Daitari (64.8)
2	LOWER BRAHMANI	Dhenkanal (Pto)(67), Hindol (60.2)
3	LOWER MAHANADI	Jaipatna (71), Kanas(65.0), Khariar (110.8), Padampur (58.2), Padmabati (58.4), Koksara(57.2), Kalampur(85.0), Boden(120.0), Narla(55.0), Raikia(55.0), Golamunda (70.0)
4	RUSHIKULYA	Madhabarida (56.4), Jagannathprasad (65), Dharakote (60.0)
5	VAMSADHARA	Ambadoia (155.0), Gunupur (90.4), Parakhemundi (64.6), R.Guda (79.2), R.Udayagiri (120.4), Lanjigarh (171.6)

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

S. No.	Basin Name	Sub-basin Name	AAP (mm)
1	SUBARNAREKHA	SR	10.5
2	BURHABALANG	BB	17.9
3	BAITARANI	BT	13.3
4	UPPER BRAHMANI	UB	7.3
5	LOWER BRAHMANI	LB	17.2
6	UPPER MAHANADI	UM	15.01
7	LOWER MAHANADI	LM	29.5
8	RUSHIKULYA	RK	36.0
9	VAMSADHARA	VD	41.2
10	NAGAVALI	NV	28.2

(C.Behera, Met-A)  
for Scientist-E & Head  
FLOOD MET.OFFICE  
M.C Bhubaneswar

RAINFALL IN MM FOR PAST 24 HRS ENDING AT 0830 HRS OF DATE

Date:-12.07.2022

SI No	Name of Stations	Rainfall (in mm)
<b>UPPER BRAHMANI</b>		
1	LAHUNIPARA *	0.0
2	PALLAHARA *	5.0
3	PANPOSH	0.0
4	RAJGANGA PUR *	0.6
5	REAMAL *	16.4
6	RENGALI *	12.8
7	MANDIRADAM *	0.0
8	TENSA	1.4
9	LATHIKATA	0.0
10	JODA	2.4
11	PALKOT	0.0
12	RAIDIH	6.2
13	KURU	1.8
14	LOHARDAGA	3.1
15	MANDAR	2.2
16	KOLEBIRA	0.0
17	KURDEG	0.0
18	SIMDEGA	0.0
<b>LOWER BRAHMANI</b>		
19	ALTUMA	15.6
20	ANGUL (IMD)	23.0
21	BATAGAON	2.7
22	CHHENDIPADA *	2.0
23	DHENKANAL	36.0
24	DHENKANAL (PTO)	67.0
25	HINDOL *	60.2
26	JENAPUR	15.6
27	KAMAKHYA NGR *	11.3
28	NAKTIDEUL *	7.0
29	SUKINDA *	19.2
30	TALCHER	14.0
31	TELKOI *	8.0
32	BONAI	0.0
33	BARKOTE	4.4
34	KANKADAHAD	7.8
35	JAJPUR *	18.0
36	JAJPUR (PTO)	18.0
37	RAJ KANIKA *	8.0
38	AUL	7.0
39	RAJNAGAR	10.0
40	DEOGARH	4.0
<b>BAITARANI</b>		
41	AKHUAPADA	14.0
42	ANANDAPUR	12.4
43	CHAMPUA	1.0
44	CHANDBALI (IMD)	17.3
45	DAITARI	64.8
46	GHAATGAON *	37.2
47	JHUMPURA *	3.2
48	JOSHIPUR *	2.2
49	KARANJIA *	4.0
50	KEON-GARH (IMD)	12.0
51	KEONJHAR (CWC)	14.4
52	SWAMPATNA	1.0
53	THAKUR-DA(BDO) *	2.5
54	THAKUR-DA (CWC)	5.8
55	SAHARPADA	2.4
56	JOSHIPUR	2.2
57	KAPTIPADA	21.0
58	HATADIHI	11.0
59	BHADRAK	14.6
60	BHANDARIPOKHARI	17.0
61	BANSPAL	9.1
62	GHASIPURA	15.2
63	SUKRULI	2.0
64	RARUANA	2.0
<b>NAGAVALI</b>		
65	K.SINGHPUR	33.4
66	RAYAGADA	36.0
67	SANKIL RD BRIDGE	1.6
68	JANHAVATI RDB	9.6
69	JAGGAGUDA	29.0
70	SRIKAKULAM	2.2
71	MUNIGUDA	28.4
72	BANDHUGAN	34.0
73	SALUR	4.6
74	KOLNARA	14.8

SI No	Name of Stations	Rainfall (in mm)
<b>UPPER MAHANADI</b>		
75	AMBABHONA *	10.4
76	ANDHIARKHOR	8.4
77	BAIKUNTHAPUR	0.0
78	BAMNIDIHI	0.0
79	BANGODAM	9.6
80	BARAGAON *	0.0
81	BASANTAPUR	0.0
82	BORANDA	14.2
83	DEOGAON (IRRI)	0.0
84	DEOGAON (CWC)	22.0
85	DHARAMJAYGARH	1.2
86	GHATORA	4.4
87	HEMGIRI *	0.0
88	JAMADARPALLI	6.4
89	JAMANKIRA *	9.0
90	JHARSUGUDA (IMD)	0.0
91	KORBA	0.0
92	KUCHINDA *	6.0
93	KURUBHATTA	0.0
94	KELO	0.0
95	MANENDRAGARH	0.0
96	MAHULPALI	0.0
97	NAWAPARA *	18.2
98	LAIKERA *	10.8
99	PARMANPUR	2.4
100	PENDRAROAD(IMD)	13.1
101	PENDRA RD (CWC)	13.2
102	RAIPUR(IMD)	13.8
103	RAIPUR (CWC)	16.6
104	RAJIM	14.4
105	RAMPUR	16.4
106	SANKARA	40.2
107	SEORINARAYAN	1.4
108	SIMGA	12.2
109	SUNDERGARH (IMD)	0.0
110	SUND-RH (CWC)	0.6
111	SURAJGARH	0.0
112	THETTANG	0.0
113	GOPALPUR	0.0
114	ZONDRA	16.0
115	BASUDEVPUR	18.0
116	JHARBANDH	20.0
117	GAISILETE	19.0
118	BALISANKRA	0.0
119	PHIRINGIA	13.4
120	BAMRA	0.0
121	LEPHRIPARA	0.0
122	KUTRA	0.0
<b>LOWER MAHANADI</b>		
123	ALIPINGAL	5.8
124	ARMPUR	15.2
125	ATHAGARH *	18.0
126	ATHAMALIK *	29.0
127	BALIGUDA *	34.0
128	BANPUR *	41.0
129	BARGARH *	11.0
130	BARMUL	24.2
131	BELGAON	24.8
132	BHAWANIPATNA(IMD)	34.4
133	BHUBANESWAR (IMD)	9.1
134	BIJEPUR *	17.0
135	BINIKA *	8.2
136	BOLANGIR (IMD)	20.0
137	BOUDA GARH *	9.2
138	BURLA (CWC)	7.2
139	BURLA (IRRI)	3.0
140	CUTTACK (IMD)	17.2
141	DASHPALLA *	22.0
142	DUNGURIPALI *	38.0
143	GOP *	2.0
144	HARABHANGA *	41.0
145	HIRAKUD (IMD)	11.0
146	JAIPATNA *	71.0
147	JUNAGARH *	51.0
148	KAKATPUR *	9.2
149	KALINGA	45.0
150	KANAS	65.0

SI No	Name of Stations	Rainfall (in mm)
<b>LOWER MAHANADI</b>		
151	KANTAMAL (BDO) *	18.8
152	KANTAMAL (CWC)	21.8
153	KENDRAPARA *	18.0
154	KENDRAPARA (PTO)	16.3
155	KESINGA	40.0
156	KHANDAPADA* (BDO)	27.4
157	KHANDAPADA (CWC)	36.2
158	KHARIAR *	110.8
159	KHAIRMAL (IRR)	22.8
160	KHAIRAMAL (CWC)	25.6
161	KOMNA *	21.0
162	M. RAMPUR *	23.0
163	MUNDALI	14.2
164	NARAJ	24.4
165	NARASINGHPUR *	38.0
166	NAYAGARH *	17.4
167	NIMAPARA	2.6
168	PADAMPUR *	58.2
169	PADMABATI	58.4
170	PAIKAMAL *	26.3
171	PARADEEP (IMD)	0.3
172	PATNA GARH *	10.0
173	PATAMUNDAI *	17.0
174	PHULBANI (IMD)	22.2
175	PHULBANI (CWC)	23.2
176	PIPILI *	45.0
177	PURI (IMD)	7.1
178	RAIRAKHOL *	5.0
179	R.K NAGAR *	5.6
180	RANPUR *	38.2
181	SALBHATTA	43.8
182	SAMBALPUR (IMD)	3.7
183	SOHELA *	7.0
184	SONEPUR *	11.2
185	TANGI *	31.0
186	TIKABALI *	27.0
187	TIKARAPARA	54.0
188	TITLA GARH *(IMD)	29.4
189	KOKSARA	57.2
190	TUREIKELA	16.0
191	KALAMPUR	85.0
192	SINAPALI	48.2
193	BODEN	120.0
194	LOISINGHA	8.0
195	SAINTALA	47.0
196	NARLA	55.0
197	AGALPUR	41.0
198	RAIKIA	55.0
199	B.M.PUR	13.5
200	BARPALI	13.0
201	ATTABIRA	5.2
202	BHATALI	5.0
203	TH. RAMPUR	52.0
204	GUDVELA	9.0
205	DEOGAON	16.0
206	BANGAMUNDA	30.0
207	BIRIDI	14.0
208	NAUGAON	2.0
209	GOLAMUNDA	70.0
210	CHAKAPAD	45.2
211	KHAJURIPADA	20.4
212	MOHAKALAPADA	22.0
213	JATNI	25.0
214	BEGUNIA	16.0
215	BHAPUR	24.0
216	DHANKAUDA	3.1
217	JAGATSingHPUR(PTO)	21.3
218	KHORDHA(PTO)	45.0
<b>BURHABALANG</b>		
219	BALASORE (IMD)	40.7
220	BALASORE (CWC)	38.4
221	BALIMUNDALI	26.4
222	BANGIRIPOSHI	17.8
223	BARIPADA (IMD)	11.2
224	BARIPADA (CWC)	9.2
225	BONTH	13.0
226	CHANDANPUR	7.2
227	JAIPUR	22.8

SI No	Name of Stations	Rainfall (in mm)
<b>BURHABALANG</b>		
228	NAWANA	10.2
229	NH-5, GOVINDPUR	35.0
230	NILGIRI *	20.0
231	SORO *	27.0
232	BETANATI	2.0
233	UDALA *	29.8
234	BAHANAGA	32.0
235	KHAIRA	9.0
236	MURUDA	10.0
237	SULIAPADA	10.1
238	G.B.NAGAR	26.0
239	BAHALDA	6.2
<b>RUSIKULYA</b>		
240	ASKA *	42.6
241	BERHAMPUR	28.8
242	BHANJANAGAR *	47.0
243	CHHATRAPUR *	37.0
244	DARINGIBADI *	53.0
245	GOPALPUR (IMD)	42.2
246	MADHABARIDA	56.4
247	PUSOTTAMPUR	48.4
248	ODAGAON	21.0
249	JAGANNATHPRASAD	65.0
250	SORADA	45.6
251	POLASARA	46.4
252	KODALA	17.0
253	RANGEILUNDA	3.0
254	KUKUDHANDI	21.0
255	PATRAPUR	18.8
256	SANKHEIMUNDI	46.0
257	DHARAKOTE	60.0
258	SHERAGADA	21.0
259	GANJAM	15.0
<b>VANSADHARA</b>		
260	AMBADOLA	155.0
261	BISSAM CUTTACK *	48.2
262	GOTTA BARRAGE	2.0
263	GUDARI	43.8
264	GUNUPUR	90.4
265	KALINGA-NAM (IMD)	1.0
266	KASHINAGAR	41.0
267	KOTAGARH *	28.0
268	KOTRAGUDA	44.8
269	MAHENDRAGARH	14.6
270	MOHANA	18.0
271	PARAKHEMUNDI *	64.6
272	R.GUDA	79.2
273	NUAGADA	17.4
274	DIGAPAHANDI	52.0
275	R.UDAYAGIRI *	120.4
276	LANJI GARH *	171.6
277	NELIAPUTY	12.6
278	SIRJHOLY	6.6
279	GUMMA	32.0
280	GOSANI	28.4
281	CHADRAPUR	20.2
<b>SUBARNAREKHA</b>		
282	BHOGARAI *	11.0
283	FEKOGHAT	7.2
284	GHATSILA	1.8
285	JALESWAR *	17.0
286	JAMSEDPUR (IMD)	5.4
287	JAMSEDPUR (CWC)	3.6
288	JAMSOLAGHAT	23.2
289	RAIRANG PUR *	18.0
290	RAJGHAT	11.2
291	RANCHI	14.4
292	TIRING	8.2
293	BIJATALA	6.0
294	KUSUMI	6.0
295	JAMDA	7.0
296	ARKI	20.0
297	ICAR NAMKUM	8.8
298	ORMANJHI	6.8
299	CHANDIL	0.0
300	KHARSEMA	3.0
301	NIMDIH	0.0
302	CHAIBASA	17.1
303	CHAKRADHARPUR	4.2