



Government of Odisha

Department of Water Resources

Flood Bulletin, 2022

Volume No.1

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Flood Cell

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Status of River Gauge

Date: 01.06.2022

Level in m.

Name of River	Gauge Site	Danger Level	Warning Level	Time (Hrs)	Present Level	Trend	Highest Recorded Level	
							Level	Date
Mahanadi	Khairmal	109.00	108.00	08.00			108.31	19.09.08
	Tikarpara	-	-	08.00			74.98	30.08.82
	Naraj (IB)	26.41	25.41	08.00	21.07	S	27.61	31.08.82
Kusabhadra	Nimapara	10.76	9.85	08.00	3.18	S	11.60	31.08.82
Devi	Alipingala	11.76	10.85	08.00	1.8	S	13.05	20.09.08
Brahmani	Panposh	178.42	177.51	08.00	171.26	S	181.44	24.09.11
	Rengali	88.00	-	08.00	110.66	S	92.25	18.08.75
	Talcher	62.91	-	08.00	54.47	S	65.53	19.08.75
	Jenapur	23.00	22.00	08.00	18.02	S	24.78	20.08.75
	Indupur	8.23	-	08.00				
Baitarani	Champua	376.41	375.33	08.00	370.87	S	379.06	23.09.11
	Swampatna	311.10		08.00	304.6	S	315.66	14.08.75
	Anandapur	38.36	37.44	08.00	31.96	S	41.35	23.09.11
	Akhuapada	17.83	17.83	08.00	14.9	S	21.95	16.08.60
Budhabalanga	Chandanpur	-		08.00			129.82	12.10.73
	Baripada	30.92		08.00	21.18	S	37.20	12.10.73
	Balimundali	-	-	08.00	36	S	42.20	1995
	NH5-Govindapur	8.13	7.21	08.00	0.34	F	9.67	12.10.73
Subarnarekha	Jamshedpur	123.5	122.5	08.00	115.4	S	129.82	12.10.73
	Jamsolaghat	49.16	48.32	08.00	43.84	S	56.91	03.09.78
	Rajghat	10.36	9.45	08.00	3.37	S	12.69	19.06.08
Rushikulya	Sorada	81.99	80.99	08.00	77.63	S	83.21	04.11.90
	Madhabarida	60.65		08.00			61.44	18.10.99
	Kashinagar	54.60	53.60	08.00			58.93	18.09.80
	Purusottampur	16.835	15.835	08.00	11.69	S	19.655	04.11.90
Vansadhara	Gudari	-	-	08.00	114.01	S	121.82	17.09.80
	Gunupur	84.00	83.00	08.00	79.98	S	88.75	17.09.80
	Kashinagar	54.60	54.1	08.00	52.22	S	58.93	18.09.80

River Discharge**Date: 01.06.2022****Discharge in Cusec**

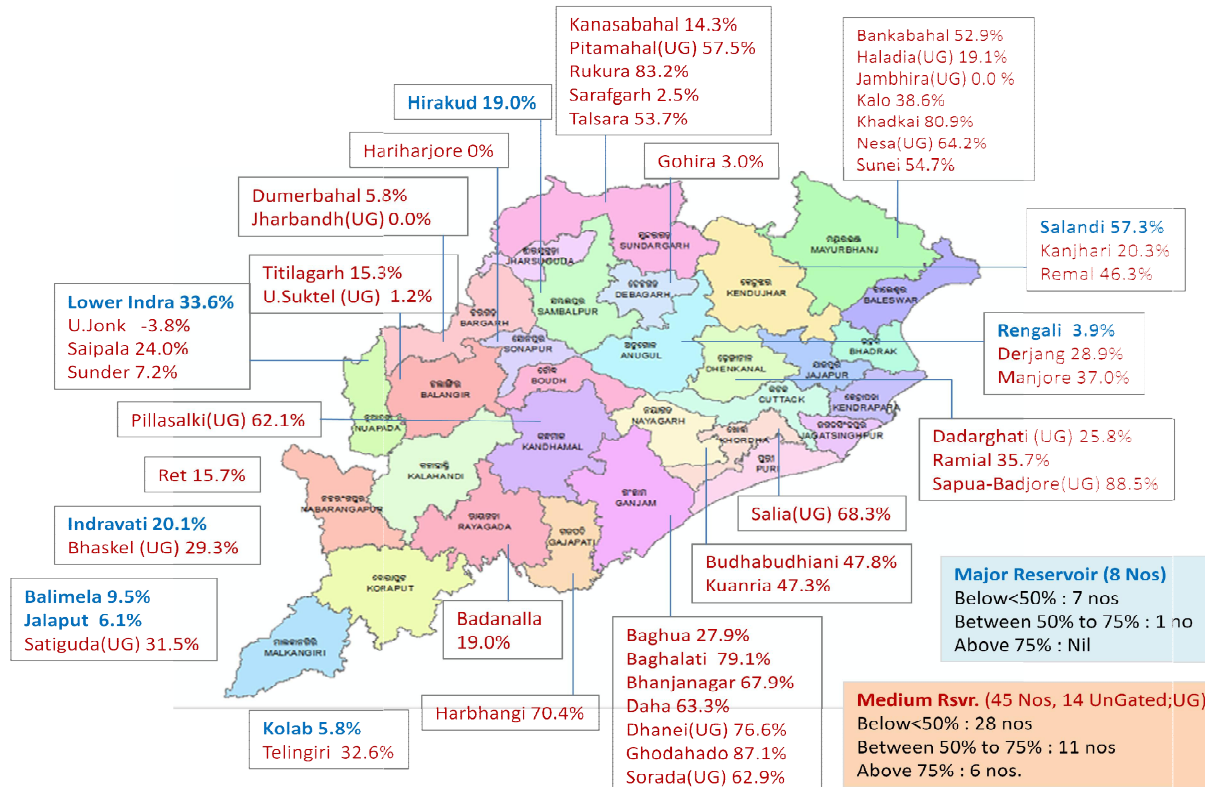
Name of the River	G&D Site	Time (Hrs)	Discharge
Mahanadi	Khairmal	0800	8500
	Barmul	0800	10500
	Mundali	0800	Below Gauge
Tel	Patharla	0800	9306
Brahmani	Pankapal	0800	-
Baitarani	NH.5-Akhuapada	0800	
Subarnarekha	Rajghat	0800	

Major Reservoirs**Date: 01.06.2022**

Name of the Reservoir	Dead Storage Level	FRL/ MWL	Time (Hrs)	Reservoir Level / % age LS Filled up	Inflow	Outflow	Gates Open (Nos)
1.Hirakud	590ft	630 ft	0800	<u>602.43 ft</u> 19.0%	0 Cusec	6236 Cusec	0
2.Rengali	109.72m	<u>123.5 m</u> 125.4 m	0800	<u>110.65 m</u> 3.9%	7.05 Cumec	300.76 Cumec	0
3.U. Indravati	625m	<u>642 m</u> 643 m	0800	<u>629.52 m</u> 20.1%	10.57 Cumec	19.04 Cumec	0
4.Upper Kolab	844m	858 m	0800	<u>845.45 m</u> 5.8%	3.11 Cumec	8.77 Cumec	0
5.Balimela	1440ft	<u>1516 ft</u> 1518 ft	0800	<u>1451.50 ft</u> 9.5%	960 Cusec	3942.24C usec	0
6.Machhkund (Jalaput)	2685ft	2750 ft	0800	<u>2695.55 ft.</u> 6.1%	370.77C usec	1190.36C usec	0
7.Salandi	50.24m	<u>82.3 m</u> 83.21m	0800	<u>82.30 m.</u> 57.3%	1.41 Cumec	3.33 Cumec	0
8.Lower Indra	251m	<u>265 m</u> 265 m	0800	<u>258.12 m</u> 33.6%	0.42 Cumec	3.13 Cumec	0

Live Storage Position of Major & Medium Reservoirs

Dt: 01.06.2022



Average Inflow into & Outflow from Reservoir

Reservoir	Inflow	Outflow	Observation Period
Hirakud	0 Cusec	6236 Cusec	During last 24Hrs ending 0900Hrs of 01.06.2022
Rengali	7.05 Cumecs	300.75 Cumecs	During last 24Hrs ending 0600Hrs of 01.06.2022

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



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HYDROMET BULLETIN

1) Synoptic Situation

- ◆ The eastwest trough now runs from the cyclonic circulation over Southeast Uttar Pradesh to East Bangladesh across Bihar, Jharkhand, Gangetic West Bengal at 0.9 km above mean sea level.
- ◆ The cyclonic circulation lies over south Bangladesh & adjoining North Bay of Bengal between 3.1 km & 5.8 km above mean sea level tilting southwards with height
- ◆ The Northern Limit of Monsoon (NLM) continue to pass through lat. 15°N/ Long. 60°E, lat. 15°N/ Long. 70°E, Karwar, Chikmagaluru, Bengaluru, Dharmapuri, lat. 10°N/ Long. 80°E, lat. 11.0°N/ Long. 83°E, 14.0°N/86°E, 20.0°N/91°E and 22.0°N/93°E.
- ◆ Conditions are favourable for further advance of Southwest monsoon into some more parts of central Arabian Sea, some more parts of Karnataka, some parts of Konkan & Goa, some more parts of Tamil Nadu, remaining parts of southwest Bay of Bengal, some more parts of Westcentral Bay of Bengal, northeast Bay of Bengal, northeastern states and SubHimalayan West Bengal & Sikkim during next 2 days.

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

S. No.	Basin Name	Sub-basin Name	QPF (mm)				
			Day-1 (01.06.22)	Day-2 (02.06.22)	Day-3 (03.06.22)	Day-4 (04.06.22)	Day-5 (05.06.22)
1	SUBARNAREKHA	SR	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
2	BURHABALANG	BB	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
3	BAITARANI	BT	0.1-10	0.1-10	0	0.1-10	0.1-10
4	UPPER BRAHMANI	UB	0.1-10	0	0	0	0.1-10
5	LOWER BRAHMANI	LB	0.1-10	0.1-10	0	0.1-10	0.1-10
6	UPPER MAHANADI	UM	0.1-10	0	0	0	0.1-10
7	LOWER MAHANADI	LM	0.1-10	0	0	0.1-10	0.1-10
8	RUSHIKULYA	RK	0.1-10	0.1-10	0	0.1-10	0.1-10
9	VAMSADHARA	VD	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
10	NAGAVALI	NV	0.1-10	0.1-10	0	0	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 (01.06.2022)		Day-2 (02.06.2022)		Day-3 (03.06.2022)		Day-4 (04.06.2022)		Day-5 (05.06.2022)	
			I	D	I	D	I	D	I	D	I	D
1	SUBARNAREKHA	SR	L	SCT	L	ISOL	L	ISOL	L	ISOL	L	ISOL
2	BURHABALANG	BB	L	SCT	L	ISOL	L	ISOL	L	ISOL	L	ISOL
3	BAITARANI	BT	L	SCT	L	ISOL	L	ISOL	L	ISOL	L	ISOL
4	UPPER BRAHMANI	UB	L	ISOL	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	L	ISOL
5	LOWER BRAHMANI	LB	L	ISOL	L	ISOL	M.Dry	DRY	L	ISOL	L	ISOL
6	UPPER MAHANADI	UM	L	ISOL	M.Dry	DRY	M.Dry	DRY	M.Dry	DRY	L	ISOL
7	LOWER MAHANADI	LM	L	ISOL	M.Dry	DRY	M.Dry	DRY	L	ISOL	L	ISOL
8	RUSHIKULYA	RK	L	ISOL	L	ISOL	M.Dry	DRY	L	ISOL	L	ISOL
9	VAMSADHARA	VD	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
10	NAGAVALI	NV	L	ISOL	L	ISOL	M.Dry	DRY	M.Dry	DRY	L	ISOL

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.			

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 (01.06.2022)		Day-2 (02.06.2022)		Day-3 (03.06.2022)		Day-4 (04.06.2022)		Day-5 (05.06.2022)	
			I	D	I	D	I	D	I	D	I	D
1	SUBARNAREKHA	SR	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	BURHABALANG	BB	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	BAITARANI	BT	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	UPPER BRAHMANI	UB	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	LOWER BRAHMANI	LB	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	UPPER MAHANADI	UM	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	LOWER MAHANADI	LM	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
8	RUSHIKULYA	RK	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
9	VAMSADHARA	VD	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
10	NAGAVALI	NV	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Spatial Distribution		Intensity							
DRY	Dry	No station reported rainfall		M. Dry	NIL	0 cm	VL	Very Light Rainfall	Trace
ISOL	One or two places	25% or less number of stations recorded rainfall 2.5 mm		SL	Light Rainfall	Upto 1 cm	M	Moderate Rainfall	2-6 cm
SCT	At a few places	26%-50% number of stations recorded rainfall 2.5 mm		H	Heavy Rainfall	7-11 cm	VH	Very Heavy rainfall	12-20 cm
FVS	At many places	51%-75% number of stations recorded rainfall 2.5 mm		EH	Extremely Heavy Rainfall	21 cm or more			
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm		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.			

7	LOWER MAHANADI	LM	NO SIGNIFICANT CHANGE	NO SIGNIFICANT CHANGE
8	RUSHIKULYA	RK	NO SIGNIFICANT CHANGE	NO SIGNIFICANT CHANGE
9	VAMSADHARA	VD	NO SIGNIFICANT CHANGE	NO SIGNIFICANT CHANGE
10	NAGAVALI	NV	NO SIGNIFICANT CHANGE	NO SIGNIFICANT CHANGE

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

S. No.	Name of Sub-Basin	Name of Station and Rainfall (≥ 5 cm.)
		NIL

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

S. No.	Basin Name	Sub-basin Name	AAP (mm)
1	SUBARNAREKHA	SR	1.7
2	BURHABALANG	BB	3.9
3	BAITARANI	BT	1.8
4	UPPER BRAHMANI	UB	0.6
5	LOWER BRAHMANI	LB	1.0
6	UPPER MAHANADI	UM	0.2
7	LOWER MAHANADI	LM	0.4
8	RUSHIKULYA	RK	0.2
9	VAMSADHARA	VD	0.1
10	NAGAVALI	NV	0.1

(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

01-06-22

	SUBARNAREKHA		65	RENGALI *	NR	132	BASUDEVPUR	0.0	200	SOHELA *	0.0
1	BHOGARAI *	11.0	66	MANDIRADAM *	0.0	133	JHARBANDH	0.0	201	SONEPUR *	0.0
2	FEKOGHAT	14.8	67	TENSA	5.6	134	GAISILETE	0.0	202	TANGI *	0.0
3	GHATSILA	0.0	68	LATHIKATA	0.0	135	BALISANKRA	0.0	203	TIKABALI *	0.0
4	JALESWAR *	7.0	69	JODA	0.0	136	PHIRINGIA	0.0	204	TIKARAPARA	0.0
5	JAMSEDPUR (IMD)	0.0		LOWER BRAHMANI		137	BAMRA	0.0	205	TITLA GARH * (IMD)	0.0
6	JAMSEDPUR (CWC)	0.0	70	ALTUMA	0.0	138	LEPHRIPARA	5.0	206	KOKSARA	0.0
7	JAMSOLAGHAT	0.0	71	ANGUL (IMD)	0.0	139	KUTRA	2.2	207	TUREIKELA	0.0
8	RAIRANG PUR *	0.0	72	BATAGAON	0.0		LOWER MA-NADI		208	KALAMPUR	0.0
9	RAJGHAT	6.4	73	CHHENDIPADA *	0.0	140	ALIPINGAL	0.6	209	SINAPALI	0.0
10	RANCHI	0.0	74	DHENKANAL	0.0	141	ARMPUR	0.0	210	BODEN	0.0
11	TIRING	0.0	75	DHENKANAL (PTO)	0.0	142	ATHAGARH *	0.0	211	LOISINGHA	0.0
12	BIJATALA	0.0	76	HINDOL *	0.0	143	ATHAMALIK *	0.0	212	SAINTALA	0.0
13	KUSUMI	0.0	77	JENAPUR	0.0	144	BALIGUDA *	0.0	213	NARLA	0.0
14	JAMDA	0.0	78	KAMAKHYA NGR *	0.0	145	BANPUR *	0.0	214	AGALPUR	0.0
	BURHA BALANGA		79	NAKTIDEUL *	0.0	146	BARGARH *	0.0	215	RAIKIA	0.0
15	BALASORE (IMD)	6.4	80	SUKINDA *	NR	147	BARMUL	0.0	216	B.M.PUR	0.0
16	BALASORE (CWC)	3.0	81	TALCHER	0.0	148	BELGAON	0.0	217	BARPALI	0.0
17	BALIMUNDALI	0.0	82	TELKOI *	2.0	149	BHAWANIPATNA(IMD)	0.0	218	BINIKA	0.0
18	BANGIRIPOSHI	0.0	83	BONAI	0.0	150	BHUBANESWAR (IMD)	TRACE	219	ATTABIRA	0.0
19	BARIPADA (IMD)	17.8	84	BARKOTE	0.0	151	BIJEPUR *	0.0	220	BHATALI	0.0
20	BARIPADA (CWC)	11.0	85	KANKADAHAD	0.0	152	BINIKA *	0.0	221	TH. RAMPUR	0.0
21	BONTH	0.0	86	JAIPUR *	NR	153	BOLANGIR (IMD)	0.0	222	GUDVELA	0.0
22	CHANDANPUR	0.0	87	JAIPUR (PTO)	0.0	154	BOUDA GARH *	0.0	223	DEOGAON	0.0
23	JAIPUR	14.8	88	RAJ KANIKA *	6.0	155	BURLA (CWC)	0.0	224	BANGAMUNDA	0.0
24	NAWANA	0.0	89	AUL	11.0	156	BURLA (IRRI)	0.0	225	BIRIDI	5.0
25	NH-5, GOVINDPUR	2.4	90	RAJNAGAR	0.0	157	CUTTACK (IMD)	1.4	226	NAUGAON	0.0
26	NILGIRI *	0.0	91	DEOGARH	0.0	158	DASHPALLA *	NR	227	GOLAMUNDA	0.0
27	SORO *	5.0		UPPER MAHANADI		159	DUNGURIPALI *	0.0	228	CHAKAPAD	0.0
28	BETANATI	0.0	92	AMBABHONA *	0.0	160	GOP *	0.0	229	KHAJURIPADA	0.0
29	UDALA *	0.0	93	ANDHIARKHOR	0.0	161	HARABHANGA *	0.0	230	MOHAKALAPADA	0.0
30	BAHANAGA	13.0	94	BAIKUNTHAPUR	0.0	162	HIRAKUD (IMD)	0.0	231	JATNI	0.0
31	KHAIRA	0.0	95	BAMNIDIHI	0.0	163	JAIPATNA *	0.0	232	BEGUNIA	0.0
32	MURUDA	0.0	96	BANGODAM	0.0	164	JUNAGARH *	0.0	233	BHAPUR	NR
33	SULIAPADA	0.0	97	BARAGAON *	0.0	165	KAKATPUR *	3.2	234	NUAGAON	0.0
34	G.B.NAGAR	0.0	98	BASANTAPUR	0.0	166	KALINGA	0.0	235	DHANKAUDA	0.0
35	BAHALDA	0.0	99	BORANDA	0.0	167	KANAS	0.0	236	AGATSINGHPUR(PTO)	0.0
	BAITARANI		100	DEOGAON (IRRI)	0.0	168	KANTAMAL (BDO) *	0.0	237	KHORDHA(PTO)	0.0
36	AKHUAPADA	0.0	101	DEOGAON (CWC)	0.0	169	KANTAMAL (CWC)	0.0		RUSIKULYA	
37	ANANDAPUR	0.0	102	DHARAMJAYGARH	0.0	170	KENDRAPARA *	8.0	238	ASKA *	0.0
38	CHAMPUA	0.6	103	GHATORA	0.0	171	KENDRAPARA (PTO)*	6.2	239	BERHAMPUR	0.0
39	CHANDBALI (IMD)	6.0	104	HEMGIRI *	0.0	172	KESINGA	0.0	240	BHANJANAGAR *	0.0
40	DAITARI	0.0	105	JAMADARPALLI	0.0	173	KHANDAPADA* (BDO)	0.0	241	CHHATRIPUR *	0.0
41	GHATGAON *	0.0	106	JAMANKIRA *	0.0	174	KHANDAPADA (CWC)	0.0	242	DARINGIBADI *	0.0
42	JHUMPURA *	0.0	107	JHARSUGUDA (IMD)	0.0	175	KHARIAR *	0.0	243	GOPALPUR (IMD)	0.0
43	JOSHIPUR *	0.0	108	KORBA	0.0	176	KHAIRMAL (IRR)	0.0	244	MADHABARIDA	0.0
44	KARANJIA *	0.0	109	KUCHINDA *	0.0	177	KHAIRMAL (CWC)	0.0	245	PUSOTTAMPUR	0.0
45	KEON-GARH (IMD)	0.0	110	KURUBHATTA	0.0	178	KOMNA *	0.0	246	ODAGAON	1.0
46	KEONJHAR (CWC)	0.0	111	KELO	0.0	179	M. RAMPUR *	0.0	247	JAGANNATHPRASAD	0.0
47	SWAMPATNA	0.0	112	MANENDRAGARH	0.0	180	MUNDALI	0.0	248	SORADA	0.0
48	THAKUR-DA(BDO) *	0.0	113	MAHULPALI	0.0	181	NARAJ	0.0	249	POLASARA	0.0
49	THAKUR-DA (CWC)	NR	114	NAWAPARA *	0.0	182	NARASINGHPUR *	0.0	250	KODALA	0.0
50	SAHARPADA	0.0	115	LAIKERA *	0.0	183	NAYAGARH *	0.0	251	RANGEILUNDA	0.0
51	JOSHIPUR	0.0	116	PARMANPUR	0.0	184	NIMAPARA	27.8	252	KUKUDAHANDI	0.0
52	KAPTIPADA	43.0	117	PENDRAROAD(IMD)	0.0	185	PADAMPUR *	0.0	253	PATRAPUR	0.0
53	HATADIHI	0.0	118	PENDRA RD (CWC)	0.0	186	PADMABATI	0.0	254	SANKHEIMUNDI	0.0
54	BHADRAK	0.0	119	RAIPUR(IMD)	0.0	187	PAIKAMAL *	0.0	255	DHARAKOTE	0.0
55	BHANDARIPOKHARI	0.0	120	RAIPUR (CWC)	1.0	188	PARADEEP (IMD)	0.2	256	SHERAGADA	0.0
56	BANSPAL	0.0	121	RAJIM	0.0	189	PATNA GARH *	0.0	257	GANJAM	0.0
57	GHASIPURA	0.0	122	RAMPUR	0.0	190	PATAMUNDAI *	7.0		VANSADHARA	
58	SUKRULI	0.0	123	SANKARA	0.0	191	PHULBANI (IMD)	0.0	258	AMBADOLA	0.0
59	RARUANA	0.0	124	SEORINARAYAN	0.0	192	PHULBANI (CWC)	0.0	259	BISSAM CUTTACK *	0.0
	UPPER BRAHMANI		125	SIMGA	0.0	193	PIPILI *	0.0	260	GOTTA BARRAGE	NR