

## Orissa Flood Alert

*A Civil Society Initiative on behalf of  
Odisha Water Forum &  
Odisha State Center, Forum for Policy Dialogue on Water Conflicts in India*

In the year 2009 the Odisha State Centre had come out with flood updates and published Odisha Flood Alert. That was in the month of July. But this year the monsoon was irregular in July and state almost had a drought like situation in many of its regions. With the heavy down pour accompanied by low pressure and rain in upper catchments of the Mahanadi and other rivers, floods have started in many parts of Odisha.

This initiative is an attempt to provide daily updates on Flood Situations and related events/news to water enthusiasts, professionals and citizens concerned about flood in Odisha. News and information collected from Odia news papers, English media (internet editions) and web site of Department of Water Resources, Govt of Odisha are put together at one place to provide an overview of flood in Odisha on a daily basis. There is also a section to present uncovered/latest flood developments/news from the field, which we seek to collect with support from all of you - our civil society partners. This Flood alert is being circulated among media, decision makers - legislatures, bureaucrats etc. with an aim to catalyze informed and expeditious decisions and actions.

We request to all recipients and their civil society contacts/friends to kindly mail ([baitarani@gmail.com](mailto:baitarani@gmail.com)) /phone (Priyabrata: 9438286393) us such events/developments related to Flood in your areas for adding value and meaning to this Civil Society Initiative. Needless to say that all such news will be acknowledged with source

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- Compiled by: Pranab, Sucharita & Priyabrata on Behalf of OWF & OSC, FPDWCI

**1. News (Headlines) from Odisha Media<sup>1</sup> on 10th August 2010**

**a. Situation of Rivers**

- Flood in Tel river causing havoc in Bolangir(Khabara)

**b. Situations in Flood Affected areas**

- Many families rendered homeless in Omargam village.(New Indian Express, Sambad)
- Nabarangpur district continue to be left in the lurch as relief and rescue team are yet to reach them.(New Indian Express)
- Embankment at Mukameswar is in danger(Pragatibadi)
- Hatadihi area affected by the flood of Ghagaranala (Pragatibadi)
- Seven villages of Anandapur is in danger due to the flood of the river Baitarini and Kusei(Khabara)
- Diarrhoea spreads in Kerandimala village of Nabarangpur(Dharitri)
- 70 families of Bodo Ambada village washed away in the flash flood(New Indian Express)

**c. Urban flood**

- Citizens blocks road demanding proper drainage system in Aska (Pragatibadi)
- Improper drainage system creates problem in Ranapur(Samaja)

**d. Flood relief**

- Public demands more relief(Dharitri)
- Flood victims alleged lack of relief(Dharitri)
- “The Samaja” provided relief in Kerandimala of Nabarangpur district(Samaja)
- Central Govt. should provided relief to the flood affected areas of Kalahandi(Samaja)

**2. Selected News from Local English Media (10th August 2010)**

**a. Flood Situation Improving in Orissa: Patro**

**Saturday, 7<sup>th</sup> August 2010**

<http://www.newkerala.com/news2/fullnews-16141.html>

Bhubaneswar, Aug 7 : The flood situation in Orissa, triggered by incessant rains following a low pressure, has improved considerably and the water-level in almost all the major rivers was flowing below the danger level, state Revenue and Disaster Management Minister SN Patro told the state Assembly today. Making a statement in the House, Mr Patro said around one lakh people in 151 villages of 39 Gram Panchayats in 11 blocks of three districts- Kalahandi, Nabarangpur and Koraput-- were affected by a flash flood. He said a strict vigil was being kept on the waterflow in rivers and the District Collectors were alerted to counter the possible flood situation. Mr Patro said he and his ministerial colleagues Mr Puspendra Singh Deo and Mr Ramesh Majhi were scheduled to visit the worst flood-hit districts of Nabarangpur and Kalahandi tomorrow to assess the situation. He said all the major rivers-- Rushikulya, Bansdhara, Mahanadi, Kushabhadra, Brahamani, Baitarani, Budhabalang, Subarnarekha, which consecutive days, were in spate in the wake of heavy showers for three days, were now flowing below the danger mark. The minister said so far reports of only one death and one missing from Nabarangpur was received. Though one body was recovered from the Bada river near Aska in Ganjam district, but the cause of the death was being investigated. Mr Patro said a

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<sup>1</sup> *The Samaj, The Sambad, The Dharitri, The Pragatibadi, The Khabar & The New Indian Express; all Bhubaneswar Edition*

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naval helicopter from Visakhapatnam rescued four people of Udaygiri village in Malkangiri district. The four had gone for fishing and took shelter at a high place after the flash flood. The assistance of the navy was sought as the rescue boat could not reach them due to strong current in the water. He said the flood situation improved in Gajapati after the gates of Kota barrage on river Banshdhara was opened. The communication between Phulbani and Berhampur has been disrupted after a culvert was washed away at Sankarakhol over Barangajodi nullaha in Kandhamal district. The Minister said 32 community kitchens were opened in Kalanandi, Koraput and Nabarangpur districts and adequate food and shelter was being provided to them. While 2,298 people were being provided food and shelter in Kalahandi, 665 people were shifted to safe places in Nabarangpur and 200 people were shifted to safe areas in Koraput district. As many as 12 relief camps were opened in Kalahandi, seven in Nabarangpur and 13 free kitchen were opened in Koraput districts. Orissa Disaster Rapid Action Force was deployed in rescue and relief work in these areas, he said.

### b. Flash Floods in Chhattisgarh Orissa; Dry Weather in North

Saturday, 7<sup>th</sup> August 2010


<http://www.zeenews.com/news646601.html>

New Delhi: Flash floods caused by incessant rains marooned several parts of Chhattisgarh and Orissa while in the northern belt, the weather remained mostly dry with subdued rainfall activity. Thousands were affected and one person was washed away in flash floods triggered by torrential rains for the last three days in Chhattisgarh's Bastar district. Helicopters and boats were used to rescue people as houses were flattened and highways cut off. Similar situation prevailed in Orissa where flash floods hit Kalahandi, Nabarangpur, Malkangiri, Koraput, Gajapati, and Balangir districts. About 40,000 people were affected as the sudden gush of water claimed one life in Malkangiri while another went missing at Nabarangpur. The south-west monsoon was also vigorous in Maharashtra and interior Karnataka. Meanwhile, sultry weather conditions were experienced in most parts of Punjab and Haryana with Hisar recording a maximum temperature of 36.5 deg C, two notches above normal. The maximum in Chandigarh, which received light showers, stood at 36 degrees, four above normal, followed by Ludhiana 35.7 deg C and Amritsar 34.6 deg C while the high in Karnal, which recorded 6.6 mm of rains, settled at 34 degrees. Most parts of Rajasthan received scattered rainfall, however, the mercury showed a rising trend in the state. While Chittorgarh received 3.6 mm rainfall, Pratapgarh, Ramsar and Dabok recorded 10 cm, 9 cm and 8 cm overnight rainfall respectively. Uttar Pradesh, which was lashed by heavy rains in the past two weeks, saw subdued rainfall activity today. However, most of the rivers continue to flow close to danger levels.





### 3. Flood Updates from Department of Water Resources, GOO (www.dowrorissa.gov.in )

#### a. Status of Important Gauge Sites as on 09-Aug-2010

<http://www.dowrorissa.gov.in/Flood/DailyFloodBulletin.htm>

Sl No	GaugeSite	Time in hrs	Gauge Reading	Gauge Trend	Warning Level	Danger Level	Highest Level
<b>MAHANADI River</b>							
1	KHAIRMAL	1200	103.50m		108.00m	109.00m	108.31m on 19-Sep-08 at 1300hrs

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	-do-	0600	102.52m		108.00m	109.00m	108.31m on 19-Sep-08 at 1300hrs
2	TIKERPARA	0600	60.00m		-	-	74.98m on 30-Aug-82 at 1800hrs
3	NARAJ(IB)	1200	24.78m		25.41m	26.41m	27.60m on 31-Aug-82 at 1700hrs
	-do-	0600	24.78m		25.41m	26.41m	27.60m on 31-Aug-82 at 1700hrs

**KUSABHADRA River**

1	NIMAPARA	1200	6.20m		9.85m	10.76m	11.60m on 31-Aug-82 at 0900hrs
	-do-	0600	6.64m		9.85m	10.76m	11.60m on 31-Aug-82 at 0900hrs

**DEVI River**

1	ALIPINGAL	1200	7.43m		10.85m	11.78m	13.05m on 20-Sep-08 at 1000hrs
	-do-	0600	7.72m		10.85m	11.78m	13.05m on 20-Sep-08 at 1000hrs

**BRAHMANI River**

1	PANPOSH	1200	171.75m		177.61m	178.42m	180.40m on 17-Aug-74 at 1400hrs
	-do-	0600	171.75m		177.61m	178.42m	180.40m on 17-Aug-74 at 1400hrs
2	RENGALI	1200	76.60m		-	88.00m	92.25m on 18-Aug-75
	-do-	0600	77.00m		-	88.00m	92.25m on 18-Aug-75
3	TALCHER	1200	55.40m		-	62.91m	65.53m on 19-Aug-75 at 2100hrs
	-do-	0600	55.48m		-	62.91m	65.53m on 19-Aug-75 at 2100hrs
4	JENAPUR	1200	18.78m		22.00m	23.00m	24.78m on 20-Aug-75 at 1000hrs
	-do-	0600	18.78m		22.00m	23.00m	24.78m on 20-Aug-75 at 1000hrs




**BAITARANI River**

1	SWAMPATNA	1200	305.36m		-	311.10m	315.66m on 14-Aug-75 at 1700hrs
	-do-	0600	305.50m		-	311.10m	315.66m on 14-Aug-75 at 1700hrs

**BRAHMANI River**

1	INDUPUR	0600	4.36m		-	8.23m	-
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**BAITARANI River**

1	CHAMPUA	1200	371.53m		375.33m	376.41m	378.10m on 07-Aug-85 at 0600hrs
	-do-	0600	371.59m		375.33m	376.41m	378.10m on 07-Aug-85 at 0600hrs
2	ANANDAPUR	1200	34.39m		37.45m	38.36m	41.80m on 19-Aug-75 at 2000hrs

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	-do-	0600	34.40m		37.45m	38.36m	41.80m on 19-Aug-75 at 2000hrs
3	AKHUAPADA	0900	16.53m		-	17.83m	21.95m on 16-Aug-80
	-do-	0600	16.55m		-	17.83m	21.95m on 16-Aug-80

**SUBERNAREKHA River**

1	JAMSHEDPUR	1200	115.29m		-	-	129.82m on 12-Oct-73 at 2300hrs
2	JAMSOLAGHAT	1200	44.08m		48.32m	49.16m	56.91m on 09-Sep-78 at 0400hrs
	-do-	0600	44.12m		48.32m	49.16m	56.91m on 09-Sep-78 at 0400hrs
3	RAJGHAT	1200	5.89m		9.45m	10.36m	12.69m on 19-Jun-08 at 0400hrs
	-do-	0600	5.89m		9.45m	10.36m	12.69m on 19-Jun-08 at 0400hrs

**BURHABALANGA River**

1	CHANDANPUR	1200	81.36m		-	-	85.50m on 09-Nov-95 at 2300hrs
2	BARIPADA	1200	22.80m		29.70m	30.92m	37.20m on 12-Oct-73 at 0600hrs
	-do-	0600	22.82m		29.70m	30.92m	37.20m on 12-Oct-73 at 0600hrs
3	BALIMUNDALI	1200	37.06m		-	-	42.40m on 23-Sep-07 at 0700hrs
	-do-	0600	37.10m		-	-	42.40m on 23-Sep-07 at 0700hrs
4	NH5, GOVINDPUR	1200	3.22m		7.21m	8.13m	9.67m on 12-Oct-73 at 1800hrs
	-do-	0600	3.08m		7.21m	8.13m	9.67m on 12-Oct-73 at 1800hrs

**VANSADHARA River**

1	GUDARI	1200	114.51m		-	-	121.82m on 17-Sep-80 at 2100hrs
	-do-	0600	114.54m		-	-	121.82m on 17-Sep-80 at 2100hrs
2	GUNUPUR	1200	81.14m		83.00m	84.00m	88.75m on 17-Sep-80 at 2300hrs
	-do-	0600	81.23m		83.00m	84.00m	88.75m on 17-Sep-80 at 2300hrs
3	KASHINAGAR	1200	53.20m		53.60m	54.60m	58.93m on 18-Sep-80 at 0200hrs
	-do-	0600	53.25m		53.60m	54.60m	58.93m on 18-Sep-80 at 0200hrs

**RUSHIKULYA River**

1	SORADA	1200	78.49m		80.99m	81.98m	83.21m on 04-Nov-90 at 1000hrs
	-do-	0600	78.50m		80.99m	81.98m	83.21m on 04-Nov-90 at 1000hrs
2	MADHABARIDA	1200	58.50m		-	60.65m	61.44m on 18-Oct-99 at 1900hrs

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3	PURUSHOTTAMPUR	1200	13.55m		15.84m	16.84m	19.60m on 04-Nov-90 at 1800hrs
	-do-	0600	13.68m		15.84m	16.84m	19.60m on 04-Nov-90 at 1800hrs



Rising



Falling



Steady

**b. River Discharge at Important Sites as on 09-Aug-2010**

<http://www.dowrorissa.gov.in/Flood/DailyFloodBulletin.htm>

Sl No	DischargeSite	Time in hrs	Discharge	Unit
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**MAHANADI River**

1	KHAIRMAL	1200	268500	Cusecs
	-do-	0600	146000	Cusecs
2	BARMUL	1200	155000	Cusecs
	-do-	0600	175250	Cusecs
3	MUNDALI	1200	378520	Cusecs
	-do-	0600	373347	Cusecs

**TEL River**

1	PATHARLA	1200	64620	Cusecs
	-do-	0600	73953	Cusecs

**BRAHMANI River**

1	EXP. BRIDGE. PANKAPAL	0800	16532	Cusecs
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**BAITARANI River**

1	AKHUAPADA NH5 ROAD BRIDGE	0900	29622	Cusecs
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**SUBERNAREKHA River**

1	RAJGHAT	0700	10050	Cusecs
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**Time of Flow in Mahanadi River between Hirakud & Mundali**



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**c. Reservoir Scenario 09-Aug-2010**

<http://www.dowrorissa.gov.in/Flood/DailyFloodBulletin.htm>

Time in hrs	Reservoir Level	Inflow	Outflow				Gates Opened	Level Trend	Dead Storage Level	FRL / MWL	Live Storage Available*	Live Storage Capacity filled up
			Spill Way	Power Channel	Canal	Total outflow						

**1. HIRAKUD on MAHANADI River (MAJOR)**

1200	610.04ft	169442 Cusecs	-	-	-	201539 Cusecs	12		590ft	630ft / 630ft	167751.0 Ham	34.8%
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**2. RENGALI on BRAHMANI River (MAJOR)**

1000	111.12m	363.38 Cumecs	-	-	-	141.31 Cumecs	-		109.72m	123.5m / 125.4m	20711.0 Ham	6.1%
0600	111.13m	524.33 Cumecs	-	-	-	403.22 Cumecs	-		109.72m	123.5m / 125.4m	20711.0 Ham	6.1%

**3. BALIMELA on MACHHKUND River (MAJOR)**

0800	1471.7ft	290.97 Cumecs	-	-	-	110.74 Cumecs	-		1440ft	1516ft / 1518ft	79579.6 Ham	29.7%
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**4. MACHHKUND on MACHHKUND River (MAJOR)**

0800	2723ft	34.71 Cumecs	-	-	-	-	-		2685ft	2750ft / 2750ft	41940.6 Ham	43.2%
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**5. UPPER KOLAB on KOLAB River (MAJOR)**

0800	850.73m	79.67 Cumecs	-	-	-	24.69 Cumecs	-		844m	858m / 858m	33134.0 Ham	35.4%
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**6. INDRAVATI on INDRAVATI River (MAJOR)**

0800	632.85m	205.45 Cumecs	-	-	-	33.98 Cumecs	-		625m	642m / 643m	54685.0 Ham	36.8%
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**7. SALANDI on SALANDI River (MAJOR)**

0600	60m	100.32 Cumecs	-	-	-	1.5 Cumecs	-		50.24m	82.3m / 83.21m	5782.0 Ham	10.4%
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Rising     
 Falling     
 Steady

**d. Rainfall Scenario on 09-Aug-2010**

<http://www.dowrorissa.gov.in/Flood/DailyFloodBulletin.htm>

Sl No	Rain Gauge Station	RainFall on 9-Aug-10	Aug-2010 Statistics			Monsoon Rainfall (2010)					
			Rainy Days	Avg. RF	Max. RF	Jun	Jul	Aug	Sep	Oct	Total

**. BAITARANI Basin**

1	ANANDAPUR	0.0	6	8.0	31.6	239.0	231.4	71.8	-	-	542.2
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2	AKHUAPADA	0.0	5	12.9	56.8	140.6	230.2	115.8	-	-	486.6
3	CHAMPUA	0.0	6	7.5	20.0	73.3	197.0	52.4	-	-	322.7
4	KEONJHARGARH	0.0	8	4.8	28.8	128.2	292.0	42.9	-	-	463.1
5	SWAMPATNA	3.2	9	6.7	18.2	101.6	349.4	60.6	-	-	511.6
6	THAKURMUNDA	0.0	5	5.5	18.0	190.2	277.4	43.6	-	-	511.2
7	CHANDABALI	0.0	7	11.9	33.4	95.4	151.8	107.5	-	-	354.7
8	JOSHIPUR	0.0	5	4.0	10.8	136.6	67.4	36.0	-	-	240.0
9	JHUMPURA	0.0	3	2.3	9.2	142.6	251.2	18.4	-	-	412.2
10	KARANJIA	0.0	3	4.4	22.0	17.0	158.0	40.0	-	-	215.0
11	RAJKANIKA	0.0	2	4.2	15.0	28.0	189.0	25.0	-	-	242.0
12	GHATAGAON	0.0	7	9.4	29.0	225.0	286.3	84.4	-	-	595.7

**BURHABALANGA Basin**

1	CHANDANPUR	0.0	6	5.2	18.0	103.2	188.6	41.6	-	-	333.4
2	BALASORE	26.9	9	22.7	54.8	180.5	196.9	204.7	-	-	582.1
3	BALIMUNDALI	0.0	7	14.7	44.8	175.4	341.8	117.2	-	-	634.4
4	BARIPADA	0.0	8	27.4	113.4	148.2	171.8	246.8	-	-	566.8
5	JAIPUR	0.0	6	14.2	55.0	125.8	252.0	113.2	-	-	491.0
6	NH5-GOVINDAPUR	31.8	9	16.0	54.0	66.4	169.4	143.8	-	-	379.6
7	BONTH	0.0	4	13.2	63.0	86.0	169.0	119.0	-	-	374.0
8	NILAGIRI	0.0	6	15.7	62.0	186.0	280.0	141.0	-	-	607.0
9	SORO	0.0	4	8.1	42.0	188.0	376.0	65.0	-	-	629.0
10	UDALA	34.4	6	18.1	53.0	106.4	129.4	144.4	-	-	380.2
11	BANGIRIPOSHI	0.0	6	9.2	32.2	81.2	176.4	73.8	-	-	331.4

**INDRAVATI Basin**

1	NAWRANGPUR	0.0	6	34.8	180.0	80.0	485.0	278.0	-	-	843.0
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**KOLAB Basin**

1	BALIMELA	8.0	8	27.5	72.0	236.4	471.0	220.0	-	-	927.4
2	UMERKOT	0.0	5	37.3	141.0	47.0	339.0	298.0	-	-	684.0
3	KORAPUT	0.0	7	18.4	74.0	143.5	530.5	147.0	-	-	821.0



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4	POTTANGI	0.0	6	10.2	46.0	45.0	269.0	92.0	-	-	406.0
5	MALKANGIRI	0.0	3	28.2	70.0	189.7	284.8	141.0	-	-	615.5

**LOWER BRAHMANI Basin**

1	ALTUMA	0.0	6	11.0	27.8	149.8	240.7	98.6	-	-	489.1
2	JENAPUR	0.0	8	11.6	52.2	193.8	107.6	104.4	-	-	405.8
3	TALCHER	0.0	6	15.5	75.4	102.8	193.0	139.6	-	-	435.4
4	ANGUL	0.0	7	23.1	67.0	108.0	280.4	208.0	-	-	596.4
5	CHHENDIPADA	0.0	5	8.5	45.2	45.5	67.6	76.8	-	-	189.9
6	DHENKANAL	0.0	5	18.9	55.0	183.0	164.0	132.0	-	-	479.0
7	HINDOL	0.0	2	11.7	55.0	139.0	184.0	70.0	-	-	393.0
8	KAMAKSHYANAGAR	0.0	3	11.6	36.0	177.0	112.0	81.2	-	-	370.2
9	NAKTIDUEL	0.0	5	9.3	43.0	28.0	217.0	74.0	-	-	319.0
10	TELKOI	0.0	4	7.1	36.0	83.6	126.0	64.0	-	-	273.6
11	SUKINDA	0.0	5	9.1	21.0	294.0	152.0	64.0	-	-	510.0

**LOWER MAHANADI Basin**

1	ALIPINGAL	0.0	6	25.7	103.4	159.4	239.8	231.0	-	-	630.2
2	ATHAMALIK	0.0	4	17.5	82.4	66.6	142.4	139.8	-	-	348.8
3	BARMUL	0.0	3	7.8	31.4	116.6	195.6	70.4	-	-	382.6
4	BELGAON	0.0	5	21.7	93.2	99.2	468.0	195.2	-	-	762.4
5	BHUBANESWAR	0.0	6	23.1	106.7	165.4	283.1	208.3	-	-	656.8
6	BURLA	1.4	7	11.5	38.4	276.0	340.8	103.6	-	-	720.4
7	CUTTACK	0.0	6	19.3	81.6	161.6	105.6	154.4	-	-	421.6
8	DEOGAN	0.0	2	5.4	25.0	0.0	22.0	27.0	-	-	49.0
9	HIRAKUD	0.2	8	11.0	44.2	296.9	444.7	98.8	-	-	840.4
10	KANTAMAL	0.0	6	13.1	73.0	114.6	424.0	118.0	-	-	656.6
11	KESINGA	0.0	6	19.8	112.4	36.1	35.6	177.8	-	-	249.5
12	KHAIRMAL	0.0	7	26.1	129.8	144.0	278.5	234.6	-	-	657.1
13	MUNDALI	0.0	6	23.5	99.2	282.0	374.5	211.8	-	-	868.3
14	NARAJ	0.0	7	14.1	58.0	155.4	302.8	127.0	-	-	585.2

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15	NIMAPARA	0.0	7	19.2	60.2	201.8	249.2	173.0	-	-	624.0
16	PARADEEP	0.0	5	6.9	33.4	182.5	240.4	62.1	-	-	485.0
17	PHULBANI	0.0	5	12.8	57.8	121.0	389.4	115.0	-	-	625.4
18	PURI	0.0	6	29.4	91.6	125.3	133.0	234.9	-	-	493.2
19	SALEBHATA	0.4	7	23.9	72.0	215.2	308.4	214.8	-	-	738.4
20	TIKERPARA	0.0	2	12.1	58.6	126.6	75.9	60.4	-	-	262.9
21	ATHAGARH	0.0	5	43.5	183.0	368.0	456.2	348.0	-	-	1172.2
22	BOLANGIR	0.0	5	8.4	48.0	74.0	216.4	67.0	-	-	357.4
23	BALIGUDA	0.0	3	21.3	63.0	96.0	434.4	149.0	-	-	679.4
24	BANAPUR	0.0	5	26.7	102.0	229.1	120.5	213.6	-	-	563.2
25	BARGARH	0.0	6	12.0	54.0	177.5	190.6	96.0	-	-	464.1
26	BHAWANIPATNA	0.0	2	27.2	140.0	129.0	319.5	163.0	-	-	611.5
27	BIJEPUR	0.0	6	25.5	54.0	148.0	276.2	204.3	-	-	628.5
28	BINIKA	0.0	6	13.6	56.0	129.0	421.7	109.0	-	-	659.7
29	BOUDHRAJ	0.0	0	0.0	0.0	123.0	6.8	0.0	-	-	129.8
30	DASPALLA	0.0	5	12.4	41.4	180.5	186.2	111.3	-	-	478.0
31	DUNGURIPALI	0.0	6	7.6	25.0	126.0	280.0	68.0	-	-	474.0
32	GOP	0.0	3	13.2	78.0	103.0	145.0	119.0	-	-	367.0
33	HARBHANGA	0.0	5	7.4	38.0	117.0	155.6	59.0	-	-	331.6
34	JUNAGARH	0.0	4	29.6	123.0	52.9	357.5	266.0	-	-	676.4
35	KAKATPUR	0.0	5	30.4	117.0	174.0	228.2	213.0	-	-	615.2
36	KHANDAPADA	18.0	8	20.2	55.0	305.0	400.4	181.8	-	-	887.2
37	KOMNA	0.0	4	13.9	81.0	144.0	345.0	111.0	-	-	600.0
38	LANJIGARH	0.0	4	24.9	104.0	156.0	412.4	199.0	-	-	767.4
39	MADANPUR RAMPUR	0.0	5	19.2	88.2	98.8	495.6	173.0	-	-	767.4
40	NARASINGHPUR	0.0	5	15.3	39.6	193.0	150.4	122.6	-	-	466.0
41	NAYAGARH	6.6	5	9.8	57.8	145.2	147.7	88.0	-	-	380.9
42	PADMAPUR	3.0	6	8.6	45.0	74.0	343.0	69.0	-	-	486.0
43	PAIKAMAL	0.0	3	11.9	60.0	15.0	447.0	95.0	-	-	557.0

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44	PATNAGARH	0.0	5	19.1	99.4	46.2	171.8	134.0	-	-	352.0
45	PIPLI	0.0	5	33.1	136.0	142.2	180.0	298.0	-	-	620.2
46	RAIRAKHOL	0.0	4	3.7	15.0	74.3	243.0	33.0	-	-	350.3
47	RANPUR	0.0	4	16.1	58.2	295.6	199.1	145.2	-	-	639.9
48	SAMBALPUR	2.2	8	13.3	68.4	259.2	351.5	119.9	-	-	730.6
49	SOHELLA	0.0	5	8.4	28.0	128.0	186.0	67.0	-	-	381.0
50	SONEPUR	0.0	5	22.6	102.0	58.0	225.0	181.0	-	-	464.0
51	TITLAGARH	0.0	5	27.7	138.2	78.2	464.8	221.8	-	-	764.8
52	TANGI	0.0	6	21.8	78.0	253.0	177.8	196.0	-	-	626.8
53	KENDRAPARA	0.0	5	12.7	63.0	136.0	272.0	89.0	-	-	497.0
54	TUREIKELA	0.0	5	8.3	37.5	48.5	433.5	75.0	-	-	557.0
55	KHARIAR	0.0	6	15.6	89.0	84.0	189.6	140.2	-	-	413.8
56	KHURDA	0.0	0	0.0	0.0	69.0	51.0	0.0	-	-	120.0
57	TIKABALI	5.0	5	13.9	42.0	65.0	201.0	97.0	-	-	363.0
58	JAIPATNA	0.0	5	37.2	227.0	108.0	413.0	335.0	-	-	856.0
59	ARMPUR	0.0	6	12.8	74.4	65.6	107.4	102.0	-	-	275.0
60	PADMAVATI	5.4	6	15.0	78.6	200.4	202.8	119.6	-	-	522.8
61	PATAMUNDAI	0.0	3	4.8	32.0	78.0	255.6	42.8	-	-	376.4
62	R.K.NAGAR	0.0	5	16.6	43.2	72.6	106.4	132.4	-	-	311.4

**. RUSHIKULYA Basin**

1	BERHAMPUR	0.0	6	16.1	69.8	126.0	77.6	128.4	-	-	332.0
2	GOPALPUR	0.0	5	21.9	66.4	148.1	167.0	175.2	-	-	490.3
3	MADHABARIDA	0.0	6	11.3	45.8	205.6	121.8	101.8	-	-	429.2
4	PURUSHOTTAMPUR	6.2	6	25.8	133.6	162.0	181.0	232.2	-	-	575.2
5	SORADA	0.0	6	14.7	69.8	174.6	162.0	132.4	-	-	469.0
6	ASKA	0.0	5	21.0	80.0	253.0	83.0	189.0	-	-	525.0
7	CHHATRAPUR	0.0	3	21.2	61.0	126.0	92.0	127.0	-	-	345.0
8	BHANJANAGAR	0.0	4	19.4	76.0	204.0	149.0	155.0	-	-	508.0
9	DARINGIBADI	0.0	3	29.8	50.0	80.2	293.3	119.3	-	-	492.8

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**SUBERNAREKHA Basin**

1	FEKOGHAT	0.0	7	4.6	8.8	215.8	175.8	36.4	-	-	428.0
2	GHATSILA	0.0	5	6.0	20.2	58.4	117.5	54.0	-	-	229.9
3	JAMSHEDPUR	0.0	5	3.8	16.0	82.4	139.5	30.3	-	-	252.2
4	RAJGHAT	1.0	9	14.6	40.0	210.0	227.0	131.4	-	-	568.4
5	RANCHI	0.0	6	4.4	13.9	42.5	196.8	34.9	-	-	274.2
6	BHOGRAI	0.0	3	4.5	23.0	122.0	229.0	36.0	-	-	387.0
7	JALESWAR	0.0	4	14.0	56.0	205.0	346.0	112.0	-	-	663.0
8	RAIRANGPUR	0.0	5	14.1	45.0	42.0	54.0	113.0	-	-	209.0
9	TIRING	0.0	5	7.2	28.0	113.0	33.8	65.0	-	-	211.8

**UPPER BRAHMANI Basin**

1	PANPOSH	0.0	7	11.6	61.4	26.8	155.6	104.2	-	-	286.6
2	RENGALI	0.0	6	5.4	14.7	137.4	161.4	43.5	-	-	342.3
3	GUMLA	0.0	0	0.0	0.0	0.0	0.0	0.0	-	-	0.0
4	BARKOTE	0.0	6	3.2	9.6	26.4	193.5	25.2	-	-	245.1
5	DEOGARH	0.0	6	15.8	69.6	264.9	167.9	126.4	-	-	559.2
6	LAHUNIPADA	0.0	5	8.5	43.1	33.8	62.2	67.9	-	-	163.9
7	PALLAHARA	0.0	7	6.1	21.0	73.8	220.2	55.0	-	-	349.0
8	RAJGANGPUR	1.0	8	22.4	78.0	60.6	45.3	202.0	-	-	307.9
9	REMAL	0.0	4	11.2	49.4	134.6	164.0	89.4	-	-	388.0

**UPPER MAHANADI Basin**

1	ANDHIYAKORE	0.0	5	9.3	48.4	29.6	181.2	65.2	-	-	276.0
2	BAIKUNTHAPUR	0.0	5	13.0	73.6	30.8	270.0	116.8	-	-	417.6
3	BANGODAM	0.0	8	10.7	64.6	39.4	142.4	96.0	-	-	277.8
4	BASANTPUR	0.0	8	5.1	13.2	87.8	413.0	45.8	-	-	546.6
5	BAMANDIHI	0.8	7	15.3	58.8	56.0	431.6	122.2	-	-	609.8
6	CHAMPA	0.0	6	20.1	54.4	4.0	383.9	160.4	-	-	548.3
7	DEOGAON	0.0	7	17.9	50.0	235.6	430.2	161.0	-	-	826.8
8	DHARAMJAYGARH	0.0	8	12.8	50.6	103.0	379.2	115.0	-	-	597.2

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9	GHATORA	0.0	6	8.5	37.2	0.0	95.8	59.6	-	-	155.4
10	GHORARI	0.0	4	8.4	28.4	93.0	263.6	58.9	-	-	415.5
11	JAMADARPALLI	0.0	7	17.4	106.6	295.6	400.0	156.8	-	-	852.4
12	JAGDALPUR	0.8	8	31.3	160.5	150.4	401.6	281.5	-	-	833.5
13	JHARSUGUDA	0.0	8	8.5	30.0	215.4	293.1	76.2	-	-	584.7
14	KORBA	0.0	8	27.4	127.8	46.7	676.2	247.0	-	-	969.9
15	KURUBHATTA	0.0	8	9.6	40.4	107.8	295.0	86.8	-	-	489.6
16	MANINDRAGARH	0.0	5	14.7	70.0	45.8	505.4	117.4	-	-	668.6
17	NANDAGHAT	0.0	4	5.1	13.0	25.2	343.8	30.8	-	-	399.8
18	PENDRAROAD	0.0	8	12.3	53.4	79.2	269.5	110.9	-	-	459.6
19	PARMANPUR	0.0	6	8.2	49.2	161.4	320.7	74.0	-	-	556.1
20	RAIPUR	1.0	8	8.8	52.9	124.5	622.3	79.5	-	-	826.3
21	RAJIM	0.0	6	9.2	69.2	74.4	487.3	82.4	-	-	644.1
22	SANKARA	0.0	6	6.1	35.4	52.4	379.4	55.2	-	-	487.0
23	SARADIHI	0.0	4	11.0	39.0	136.0	310.6	66.0	-	-	512.6
24	SEORINARAYAN	0.0	5	5.1	23.0	26.8	673.0	45.8	-	-	745.6
25	SURAJGARH	1.0	7	8.6	23.4	162.4	353.2	68.8	-	-	584.4
26	SUNDERGARH	0.0	7	19.3	56.8	274.9	383.6	154.4	-	-	812.9
27	SIMGA	0.0	7	4.6	20.8	22.6	358.8	41.0	-	-	422.4
28	TARAPUR	0.0	5	33.7	89.0	133.6	290.0	236.0	-	-	659.6
29	THETTANG	0.0	7	7.3	45.6	108.0	390.0	65.8	-	-	563.8
30	AMBIKAPUR	0.0	5	2.3	6.8	99.6	91.9	16.0	-	-	207.5
31	BORANDA	0.4	9	8.8	67.8	73.2	492.2	79.0	-	-	644.4
32	HEMGIRI	0.0	5	29.0	88.0	47.4	124.9	202.7	-	-	375.0
33	JAMANKIRA	0.0	5	5.1	28.6	3.4	243.8	41.0	-	-	288.2
34	KELO	0.0	7	13.8	71.0	182.2	342.7	124.0	-	-	648.9
35	KUCHINDA	0.0	5	6.1	36.6	23.8	77.6	49.0	-	-	150.4
36	MAHULPALI	0.0	6	17.7	68.0	0.4	299.4	159.6	-	-	459.4
37	RAMPUR	0.0	7	6.6	28.8	33.2	490.8	52.6	-	-	576.6

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38	NAWAPARA	0.0	3	7.9	60.0	1.0	202.1	63.0	-	-	266.1
39	AMBABHONA	0.0	2	7.2	27.0	164.0	286.0	43.0	-	-	493.0
40	LAIKERA	0.0	6	21.2	85.2	0.0	143.5	190.6	-	-	334.1
41	BARGAON	0.0	3	5.3	24.4	53.9	49.2	31.8	-	-	134.9

**VANSADHARA Basin**

1	GOTTA BARRAGE	0.0	6	16.8	92.0	135.8	244.4	150.8	-	-	531.0
2	GUDARI	0.0	5	19.8	106.2	60.6	305.4	178.6	-	-	544.6
3	GUNUPUR	0.0	6	16.9	69.2	115.0	352.6	151.8	-	-	619.4
4	KASHINAGAR	0.0	5	16.1	82.6	113.8	255.8	128.4	-	-	498.0
5	KOTRAGUDA	0.0	5	20.4	71.4	87.0	512.8	163.4	-	-	763.2
6	KALINGPATNAM	0.0	5	9.8	62.0	75.7	90.1	88.0	-	-	253.8
7	MAHENDRAGARH	0.0	6	10.4	36.0	52.6	170.8	93.8	-	-	317.2
8	RAYAGADA	0.0	5	16.5	70.0	224.1	294.1	148.7	-	-	666.9
9	BISAM CUTTACK	0.0	5	20.7	86.0	126.2	269.0	145.2	-	-	540.4
10	PARLAKHEMUNDI	0.0	4	17.7	65.0	52.0	258.9	123.8	-	-	434.7
11	CHANDRAPUR	0.0	0	0.0	0.0	23.4	66.2	0.0	-	-	89.6
12	R.UDAYGIRI	0.0	5	14.3	46.4	60.8	197.7	128.8	-	-	387.3

**e. Average Reservoir Inflow-Outflow on 09-Aug-2010**

<http://www.dowrorissa.gov.in/Flood/DailyFloodBulletin.htm>

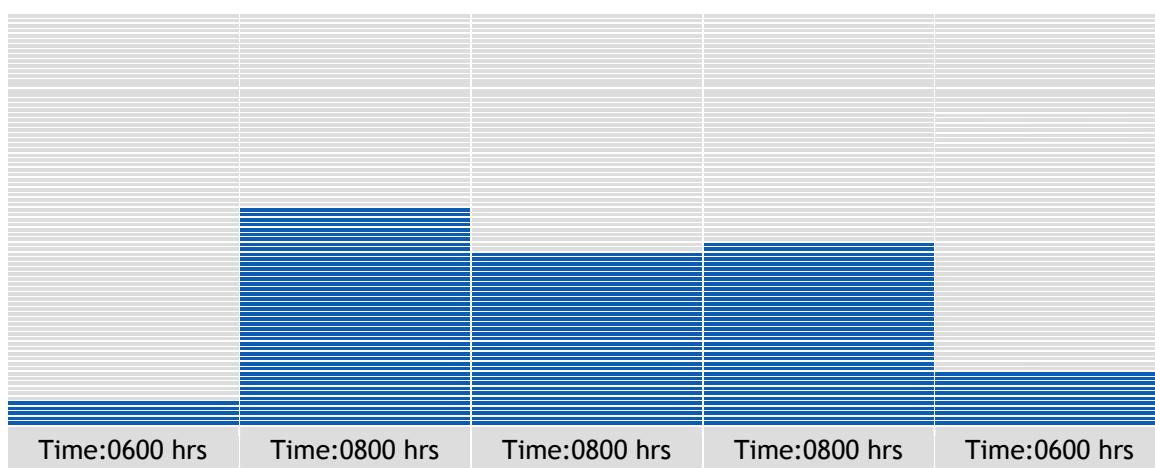
Sl No	Name of Reservoir	Inflow	Outflow	Unit	Observation Period
1	HIRAKUD	176675.00	159173.00	Cusecs	DURING LAST 24 HOURS ENDING AT 0900 HRS OF 09.08.2010
2	RENGALI	435.53	190.78	Cumecs	DURING LAST 24 HOURS ENDING AT 0600 HRS OF 09.08.2010.

**f. Live Storage Filling of Major Reservoirs as on 10-Aug-2010**

<http://www.dowrorissa.gov.in/Flood/ReservoirGraph.htm>

RENGALI	MACHHKUND	UPPER KOLAB	INDRAVATI	SALANDI
<b>5.9%</b>	<b>44.0%</b>	<b>35.9%</b>	<b>37.5%</b>	<b>11.4%</b>

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### Reservoir Level & position wrt. Full Reservoir Level

RL: 111.1m	RL: 2723.5ft	RL: 850.79m	RL: 632.7m	RL: 60.6m
(-) 12.40m	(-) 26.50ft	(-) 7.21m	(-) 9.30m	(-) 21.70m

### Reservoir Inflow & Outflow

I:73.35Cumecs	I:87.41Cumecs	I:86.74Cumecs	I:157.09Cumecs	I:65.62Cumecs
O:209.16Cumecs	O:Cumecs	O:31.75Cumecs	O:42.78Cumecs	O:1.5Cumecs

### Live Storage capacity & Live Storage available

Cap:341371 Ham	Cap:96993 Ham	Cap:93500 Ham	Cap:148550 Ham	Cap:55650 Ham
LS:20171 Ham	LS:42689.14 Ham	LS:33584 Ham	LS:55672.61 Ham	LS:6336 Ham

### g. Weather Scenario

<http://www.dowrorissa.gov.in/Flood/DailyFloodBulletin.htm>

Time of observation: 12:30hrs IST

### Catchment Rainfall Summary

Rainfall has occurred at a few places over Burhabalang catchment; at one or two places over Baitarani, Upper Brahmani, Lower Mahanadi, Rushikulya catchments; and weather has been mainly dry over Subarnarekha, Upper Mahanadi catchments and dry over rest catchments.

### Chief Synoptic Situation

The axis of monsoon trough on sea level passes through Jaisalmir, Ajmir, Jhansi, Chaibasa, Digha thence to south-east wards to East-Central Bay of Bengal. Yesterday's upper air cyclonic circulation over north Bay and neighbourhood persists and lies between 3.1 and 4.5 Km. above sea level.

### Forecast valid for next 24hrs

Rain or thundershower would occur at a few places over Burhabalang, Upper Mahanadi, Rushikulya catchments and at one or two places over rest catchments.

### Heavy Rainfall (50mm or more) Warning

NIL

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**Quantitative Precipitation Rainfall for next 24hrs**

All basins are nill.

**Outlook for Subsequent 48hrs**

Little Change.

Source: Flood Meteorological Centre, India Meteorological Department, BBSR