

## **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

000 02 07/ 28 07 2010

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**1. News (Headlines) from Odisha Media<sup>1</sup> on 07<sup>th</sup> August 2010**

***a. Situation of Rivers***

- First flood water enters into the Tel, Khadanga and Mehruni rivers.(Khabar)
- The water level of Daya, Malaguni, Rajua, Makara, and Luna rivers rising day by day.(Khabar)
- 8 gates of Hirakud reservoirs are opened(Pragatibadi)

***b. Situations in Flood Affected areas***

- The impact of Flash Floods continued(New Indian Express)
- 65,000 villagers of Kalahandi, Nabarangpur and Koraput are in danger due to the situation caused by low pressure induced rains. (New Indian Express)
- The road over Nagi river near Hatbarandi washed away due to the flash floods disrupting communication between Umerkote and Nabarangpur.(New Indian Express)
- 12 villages in Purusotompur block marooned(New Indian Express)
- Several villages of Kalahandi districts are in danger due to the flood of the river Hati and Tel(New Indian Express)
- Road links to several villages has been cut off and paddy fields are under water(New Indian Express)
- Most of the areas of Kantamala are water logged due to the flood(Khabar)
- Around 70,000 people of southern parts of Odisha affected due to flood.(Khabar)
- More than 50 villages of Nabarangpur are water logged(Samaja)
- 4 tribals of Mathili of Malkanigiri district are trapped in flood water of Saberi.(Samaja) (Sambad)
- Around 50 villages of Chandili are water logged.(Samaja)
- Flood situations of southern and western parts of Odisha are still in danger(Pragatibadi)
- 145 villages of Koraput, Nabarangpur, and Kalahandi are water logged.(Samaja)
- Four districts are mostly affected due to flood: Kalahandi, Nabarangpur, Koraput and Malkanigiri (Dharitri)

***c. Urban flood***

- Improper drainage system water logged most of the market places of Balanga(Khabar)
- Continuous rain water logged many parts of Bhubaneswar (Pragatibadi)
- There should be proper drainage system in Bhubaneswar(Samaja)
- Divyavihar area of old Bhubaneswar are water logged(Sambad)
- Agricultural lands of Baliana area are water logged(Dharitri)

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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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### **d. Flood relief**

- Govt. launches relief operations for the marooned(New Indian Express)
- Navy team joins rescue mission, many still marooned(New Indian Express)
- Students were rescued by Odisha Disaster Rapid Action Force (ODRAF) team.(New Indian Express)
- 250 students of Nabarangpur were rescued after 14 hours.(Khabar)
- Relief operations for the marooned is going on(Khabar)
- Relief and rescue operations are going on: Finance minister(Dharitri)

### **e. Situation of Embankments:**

- Opposition party alleged that flood is man made.(Pragatibadi)
- Congress criticized the Govt. for its inept handling of the situation(Samaja)
- Opposition party criticized the Govt. for its lack of preparedness(Dharitri)
- More than 20 villages of Balipatana are in danger due to the breakdown of Kusabhadra embankment.(Dharitri)

### **f. Government Response**

- Speaker asks minister to give their statement on flood situation. (Samaja)

## **2. News from Field (Civil Society Partners) on 07<sup>th</sup> August 2010**

None

## **3. Selected News from Local English Media (07<sup>th</sup> August 2010)**

### **a. District administration is monitoring the river levels**

*Saturday, 07<sup>th</sup> August 2010*

<http://rayagadainfo.blogspot.com/2010/08/district-administration-is-monitoring.html>

Rayagada District Administration is closely monitoring the Bansadhara & Nagavali river water levels round the clock. Rayagada Collectorate, Emergency Section is collecting information about rainfall from Blocks and river water levels from Central Water Commission stations along the two main rivers, Vanshdhara and Nagavali . Necessary instructions given to all BDO's & Tahsildars about preparedness for any eventuality. Sub collectors have been instructed to prepare a contingency evacuation plan . However water levels are below warning levels and all measures are in place to infuse confidence among people. Civil supplies and Health Dept. are on high alert to face any situation.

### **b. Flash floods kill one in Orissa, displace thousands**

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Bhubaneswar (IANS) - At least one person was killed and over 10,000 people were displaced as flash floods triggered by torrential rains submerged many homes in three Orissa districts, an official said Friday. Many parts of the state have been witnessing heavy rains since Wednesday. The three districts of Kalahandi, Gajapati and Nabrangpur have been worst affected by the flash floods as rivers overflowed and floodwaters entered into low-lying areas, an official of the state relief control room told IANS. A 60-year-old man of Ghataguda village in Kalahandi drowned in the floodwaters and another person of the same village went missing, he said. The Hati river in Kalahandi, Bhaskar river in Nabrangpur and Bansadhara river in Gajapati districts overflowed and water entered villages near the river banks, the official said. At least 11,000 people, including women and children, have taken shelter in seven relief camps set up by authorities in various places in Kalahandi, he said. Although flood waters have started receding from all areas and the rivers are now flowing below the danger levels, some people continued to remain stranded in remote areas as relief and rescue team are yet to reach them, the official added.

### **c. Flash floods kill one in Orissa, displace thousands**

Friday, 06<sup>th</sup> August 2010

<http://sify.com/news/flash-floods-kill-one-in-orissa-displace-thousands-news-national-kiguEciibeh.html>

At least one person was killed and over 10,000 people were displaced as flash floods triggered by torrential rains submerged many homes in three Orissa districts, an official said Friday. Many parts of the state have been witnessing heavy rains since Wednesday. The three districts of Kalahandi, Gajapati and Nabrangpur have been worst affected by the flash floods as rivers overflowed and floodwaters entered into low-lying areas, an official of the state relief control room told IANS. A 60-year-old man of Ghataguda village in Kalahandi drowned in the floodwaters and another person of the same village went missing, he said. The Hati river in Kalahandi, Bhaskar river in Nabrangpur and Bansadhara river in Gajapati districts overflowed and water entered villages near the river banks, the official said. At least 11,000 people, including women and children, have taken shelter in seven relief camps set up by authorities in various places in Kalahandi, he said. Although flood waters have started receding from all areas and the rivers are now flowing below the danger levels, some people continued to remain stranded in remote areas as relief and rescue team are yet to reach them, the official added.

### **d. ODRAF personnel rescue marooned villagers**

Saturday, 07<sup>th</sup> August 2010

<http://www.hindu.com/2010/08/07/stories/2010080752100300.htm>

BHUBANESWAR: The Orissa State Disaster Management Authority (OSDMA) here on Friday said its initiative to locate units of the Orissa Disaster Rapid Action Force at Bolangir helped in saving about 250 school children of Sevashram school in Nabarangpur district.

In fact the idea of creating five new ODRAF units at Bolangir, Rourkela, Baripada, Paradeep and Bhubaneswar along with the existing five units at Cuttack, Chhatrapur, Koraput, Jharsuguda and Balasore had paid off in the recent flash flood, OSDMA said here.

It said not only creation but also geographic dispersion of new ODRAF units at different strategic locations keeping in mind the vulnerability also helped in mobilisation of skilled manpower to the spot.

Besides, OSDMA had taken steps to convert selected fire stations into multi-hazard prepared units for acting as second line of defence during time of disaster.

It was experimented with great deal of success in the recent flood Kalahandi and Nabarangpur districts.

The personnel of Tentulikhunti fire station of Nabarangpur and Dharmagarh fire station of Kalahandi district equipped with modern emergency equipment saved precious human lives

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Selected fire service units of the State have been strengthened with supply of emergency equipment like boats, lights and cutters to be mobilised with the shortest possible notice, said Nikunja K. Sundaray, Managing Director of OSDMA.

He said special training programmes for the personnel of the newly created ODRAF and fire service units had been conducted under the supervision and guidance of master trainers way in advance in the month of April, May to keep them prepared for the real time operations.

### **e. Shower triggers flash flood across state**

Friday, 06<sup>th</sup> Aug 2010

[http://www.telegraphindia.com/1100807/jsp/orissa/story\\_12782128.jsp](http://www.telegraphindia.com/1100807/jsp/orissa/story_12782128.jsp)

Heavy downpour caused due to low pressure formed in the Bay of Bengal during the past three days has triggered flash floods in southern parts of the state. "Many parts of the Kalahandi district were hit by the flash flood," revenue minister Surjya Naryana Patro told reporters today. "The district administration has been asked to gear up the rescue and relief works," the revenue minister added.

The Kalahandi and Nabarangpur districts were among the worst affected areas. The situation was likely to be worsened as the local met department has predicted heavy downpour at one or two places over upper and lower Mahanadi and Bansadhara river catchments during the next 48 hours. According to the revenue department sources, around 40,000 people were affected due to the flash flood.

The Banshadara river was flowing above the warning level at Kashinagar in Gajapati district. While the warning level stands at 54.60 metre, Bansadhara was flowing at 54.69 metre affecting the human habitats at its banks. The situation in the Bansadhara catchments worsened as the Andhra Pradesh government opened all the 22 sluice gates in Gota barrage, said the water resources department. The flood situation worsened in Kalahandi district as well. Due to this flash flood transport on many roads have been badly affected. Hati river was flowing about five metre above a bridge at Junagarh on National Highway-201. The road connecting to Dharmagada and Bhawanipatna was cut off. Similarly, the road connecting Jabdagalpur in Chhattisgarh and Kotpada in Koraput was also cut off. As heavy flood came on the Bhaskar river in Nabarangpur district, Kerandimal village in Koshamguda block and another six panchayats were cut off. "The district administration has been successful in rescuing as many as 250 people in Kerandimal village," said the revenue minister. "The villagers had been marooned in a village school for the last two days," said Patro. The revenue minister further said that two teams of Orissa Disaster Rapid Action Force (ODRAF) had already been deployed for the worst affected districts like Nabarangpur and Kalahandi.

As a culvert swayed away by the flood water near Shankarakhol, the road connecting to Berhampur and Phulbani was cut off. In Malkangir, rivers like Saberi, Sileri and Poteru were slowly receding in many parts. Water levels in Mahanadi, Subarnarekha and Brahmani river have also swelled. While the warning level of Mahanadi river stands at 108 metre in Khairmal, now it was flowing at 104.44 metre. In Athagarh in Cuttack district, rain water entered to the famous Nrusingha Temple. According to the metrological department sources, districts like Nayagarh, Nabarangpur, Malkangiri, Koraput, Kalahandi, Cuttack, Anugul, Bhadrak and Deogarh have received more 40 millimeter excess rainfall than the average rainfall.

### **f. Flash flood claims one life in Orissa**

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

<http://www.zeenews.com/news646414.html>

Bhubaneswar: Flash floods triggered by heavy rains claimed one life besides paralysing life in some parts of Orissa today by snapping road links as the state government launched relief operation for marooned people. The body of 60-year-old Gundicha Uba, swept away by flood waters at Ghataguda village under Taraja panchayat of Nabarangpur district this morning, was recovered later, Revenue and Disaster Management Minister, S N Patro said.

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Thirty-two people had taken refuge in a huge tree after the village was submerged. While 31 others were rescued in two phases, Gundicha could not be saved as he was washed away by strong current, the minister said. Flood waters submerged vast areas including paddy fields in Kalahandi, Nabarangpur, Gajapati and Malkangiri districts, official sources said. In Kalahandi district, Hati river flooded about ten villages under three gram panchayats besides disrupting road communication between Junagarh and Jeypore, they said adding community kitchens were opened in several places. Dry food items were also being distributed.

Four marooned persons were rescued from a village in Koksara area, Deputy Collector Jagannath Mohanty said. However, four people remained trapped on a tree for the last two days in Mathili area of Malkangiri district, sources said helicopter was being arranged to rescue them as others including Orissa Disaster Rapid Action Force (ODRAF) were still unable to reach them.

About 250 students of a residential school, trapped in the building at Kerandimal village of Kosagumuda block of Nabarangpur district due to flooding of the area since yesterday, were rescued after water receded, Patro said. Community kitchens were also opened in some places of Nabarangpur district with food arrangements for about 5000 people, he said.

Road communication between Berhampur and Phulabani was disrupted since last night as a diversion road near Shankarakhol in Kandhamal collapsed due to heavy rains, official sources said. The vehicles were running through the diversion road as a culvert on the main road was under construction. The rains however did not affect the culvert, which was under construction, said Superintendent Engineer, (works and building) B K Patnaik. He said the engineers from Phulabani rushed to the spot and the repair work was in full swing. In Gajapati district, the swollen Bansadhara river had earlier crossed the danger level of 54.60 ft at Kashi Nagar, but now it was receding from afternoon, they said. In Malkangiri district, with overflowing of rivers like Saberi, Sileri and Poteru, several villages were inundated.

### ***g. 7 killed in flash floods; villages inundated***

Friday, 6<sup>th</sup> August 2010

<http://www.24dunia.com/english-news/shownews/0/7-killed-in-flash-floods-villages-inundated/6918333.html>

A low pressure in the Bay of Bengal triggered heavy rains across Orissa and caused flash floods in Western and Southern parts claiming seven lives so far and inundating thousand of villages. The rivers in coastal Orissa have shown a rising water level indicating a possible flood in the Mahanadi delta region. Reports reaching the state headquarters here said seven people have so far been killed in drowning and wall collapse, four of them reported in Rayagada district and three from Koraput district. One person was reported missing in Nabarangpur where the flash floods had so far affected over 2,000 villages. The flash floods have also been reported in Kalahandi, Nabarangpur, Malkangiri, Rayagada and Koraput districts inundating several villages and disrupting the road communications in at least 26 places. In Kalahandi, three blocks--Kalrapat, Jaypatna and Koksara--have been affected by the floods in Hati river where several villages had been inundated by the flood waters. The authority had dispatched two units of the Orissa Disaster Rapid Action Force (ODRAF) to the marooned villages for conducting a rescue operation while a community kitchen service was started in the worst affected villages, Kalahandi Collector Rupa Mishra said. She said the officials in the affected blocks had been advised to rush to the affected villages and supervise the rescue operation. Two more ODRAF team were also sent to Nabarangpur district where the floods, caused by incessant rains for the last two days, inundated several villages. The highest rainfall yesterday was recorded in Kosagumuda in the district which received 266 mm rainfall during the last 24 hours.

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4. Flood Updates from Department of Water Resources, GOO ([www.dowrorissa.gov.in](http://www.dowrorissa.gov.in) )

a. Status of Important Gauge Sites as on 06-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
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**MAHANADI River**

1	KHAIRMAL	1200	104.44m		108.00m	109.00m	108.31m on 19-Sep-08 at 1300hrs
	-do-	0600	103.81m		108.00m	109.00m	108.31m on 19-Sep-08 at 1300hrs
2	TIKERPARA	1200	62.02m		-	-	74.98m on 30-Aug-82 at 1800hrs
	-do-	0900	62.02m		-	-	74.98m on 30-Aug-82 at 1800hrs
3	NARAJ(IB)	1200	24.72m		25.41m	26.41m	27.60m on 31-Aug-82 at 1700hrs
	-do-	0600	24.92m		25.41m	26.41m	27.60m on 31-Aug-82 at 1700hrs

**KUSABHADRA River**

1	NIMAPARA	1200	4.68m		9.85m	10.76m	11.60m on 31-Aug-82 at 0900hrs
	-do-	0600	4.70m		9.85m	10.76m	11.60m on 31-Aug-82 at 0900hrs

**DEVI River**

1	ALIPINGAL	1200	5.74m		10.85m	11.78m	13.05m on 20-Sep-08 at 1000hrs
	-do-	0600	5.67m		10.85m	11.78m	13.05m on 20-Sep-08 at 1000hrs

**BRAHMANI River**

1	PANPOSH	1200	172.00m		177.61m	178.42m	180.40m on 17-Aug-74 at 1400hrs
	-do-	0600	172.05m		177.61m	178.42m	180.40m on 17-Aug-74 at 1400hrs
2	RENGALI	1200	77.60m		-	88.00m	92.25m on 18-Aug-75
	-do-	0600	77.00m		-	88.00m	92.25m on 18-Aug-75
3	TALCHER	1200	56.24m		-	62.91m	65.53m on 19-Aug-75 at 2100hrs
	-do-	0600	55.90m		-	62.91m	65.53m on 19-Aug-75 at 2100hrs
4	JENAPUR	1200	19.24m		22.00m	23.00m	24.78m on 20-Aug-75 at 1000hrs
	-do-	0600	19.18m		22.00m	23.00m	24.78m on 20-Aug-75 at 1000hrs

**BAITARANI River**

1	SWAMPATNA	1200	305.20m		-	311.10m	315.66m on 14-Aug-75 at 1700hrs
	-do-	0600	305.22m		-	311.10m	315.66m on 14-Aug-75

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							at 1700hrs
2	CHAMPUA	1200	371.49m		375.33m	376.41m	378.10m on 07-Aug-85 at 0600hrs
	-do-	0600	371.50m		375.33m	376.41m	378.10m on 07-Aug-85 at 0600hrs
3	ANANDAPUR	1200	34.44m		37.45m	38.36m	41.80m on 19-Aug-75 at 2000hrs
	-do-	0600	34.48m		37.45m	38.36m	41.80m on 19-Aug-75 at 2000hrs
4	AKHUAPADA	0900	16.77m		-	17.83m	21.95m on 16-Aug-80
	-do-	0600	16.70m		-	17.83m	21.95m on 16-Aug-80

**SUBERNAREKHA River**

1	JAMSHEDPUR	1200	115.30m		-	-	129.82m on 12-Oct-73 at 2300hrs
2	JAMSOLAGHAT	1200	43.84m		48.32m	49.16m	56.91m on 09-Sep-78 at 0400hrs
3	RAJGHAT	1200	5.74m		9.45m	10.36m	12.69m on 19-Jun-08 at 0400hrs
	-do-	0600	5.74m		9.45m	10.36m	12.69m on 19-Jun-08 at 0400hrs

**BURHABALANGA River**

1	CHANDANPUR	1200	81.32m		-	-	85.50m on 09-Nov-95 at 2300hrs
2	BARIPADA	1200	23.00m		29.70m	30.92m	37.20m on 12-Oct-73 at 0600hrs
	-do-	0600	22.54m		29.70m	30.92m	37.20m on 12-Oct-73 at 0600hrs
3	BALIMUNDALI	1200	37.12m		-	-	42.40m on 23-Sep-07 at 0700hrs
	-do-	0600	37.04m		-	-	42.40m on 23-Sep-07 at 0700hrs
4	NH5, GOVINDPUR	1200	3.56m		7.21m	8.13m	9.67m on 12-Oct-73 at 1800hrs
	-do-	0600	2.96m		7.21m	8.13m	9.67m on 12-Oct-73 at 1800hrs

**VANSADHARA River**

1	GUDARI	1200	115.44m		-	-	121.82m on 17-Sep-80 at 2100hrs
	-do-	0600	115.97m		-	-	121.82m on 17-Sep-80 at 2100hrs
2	GUNUPUR	1200	82.32m		83.00m	84.00m	88.75m on 17-Sep-80 at 2300hrs
	-do-	0600	82.87m		83.00m	84.00m	88.75m on 17-Sep-80 at 2300hrs
3	KASHINAGAR	1200	54.69m		53.60m	54.60m	58.93m on 18-Sep-80 at 0200hrs
	-do-	0600	54.34m		53.60m	54.60m	58.93m on 18-Sep-80 at 0200hrs

**RUSHIKULYA River**



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1	SORADA	0900	78.98m		80.99m	81.98m	83.21m on 04-Nov-90 at 1000hrs
	-do-	0600	79.00m		80.99m	81.98m	83.21m on 04-Nov-90 at 1000hrs
2	MADHABARIDA	1200	59.25m		-	60.65m	61.44m on 18-Oct-99 at 1900hrs
3	PURUSHOTTAMPUR	1200	15.00m		15.84m	16.84m	19.60m on 04-Nov-90 at 1800hrs
	-do-	0600	14.88m		15.84m	16.84m	19.60m on 04-Nov-90 at 1800hrs



Rising



Falling



Steady

**b. River Discharge at Important Sites as on 06-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	448000	Cusecs
	-do-	0600	315000	Cusecs
2	BARMUL	1200	297000	Cusecs
	-do-	0600	256750	Cusecs
3	MUNDALI	1200	337136	Cusecs
	-do-	0600	368174	Cusecs

**TEL River**

1	PATHARLA	1200	330649	Cusecs
	-do-	0600	156079	Cusecs

**BRAHMANI River**

1	EXP. BRIDGE. PANKAPAL	0800	26777	Cusecs
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**BAITARANI River**

1	AKHUAPADA NH5 ROAD BRIDGE	0900	29488	Cusecs
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**SUBERNAREKHA River**

1	RAJGHAT	0700	9445	Cusecs
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**c. Reservoir Scenario 06-Aug-2010**

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

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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	608.5ft	81199 Cusecs	-	-	-	101616 Cusecs	4		590ft	630ft 630ft	150852.0 Ham	31.3%
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**2. RENGALI** on BRAHMANI River (MAJOR)

1200	110.93m	318.31 Cumecs	-	-	-	495.42 Cumecs	-		109.72m	123.5m 125.4m	17600.0 Ham	5.2%
0600	110.95m	352.34 Cumecs	-	-	-	510.93 Cumecs	-		109.72m	123.5m 125.4m	17600.0 Ham	5.2%

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

0800	1469.4ft	569.27 Cumecs	-	-	-	65.27 Cumecs	-		1440ft	1516ft 1518ft	72547.1 Ham	27.1%
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**4. MACHHKUND** on MACHHKUND River (MAJOR)

0800	2719ft	511.05 Cumecs	-	-	-	-	-		2685ft	2750ft 2750ft	36359.8 Ham	37.5%
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**5. UPPER KOLAB** on KOLAB River (MAJOR)

0800	850.39m	300.67 Cumecs	-	-	-	29.19 Cumecs	-		844m	858m 858m	30589.0 Ham	32.7%
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**6. INDRAVATI** on INDRAVATI River (MAJOR)

0600	631.8m	1053.02 Cumecs	-	-	-	5.15 Cumecs	-		625m	642m 643m	48265.1 Ham	32.5%
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**7. SALANDI** on SALANDI River (MAJOR)

0600	58.1m	53.5 Cumecs	-	-	-	8.48 Cumecs	-		50.24m	82.3m 83.21m	4029.0 Ham	7.2%
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Rising



Falling



Steady

**d. Rainfall Scenario on 06-Aug-2010**

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

SI No	Rain Gauge Station	RainFall on 6-Aug-10	Aug-2010 Statistics			Monsoon Rainfall (2010)					
			Rainy Days	Avg. RF	Max. RF	Jun	Jul	Aug	Sep	Oct	Total

**. BAITARANI Basin**

1	ANANDAPUR	6.6	4	8.3	31.6	239.0	231.4	49.6	-	-	520.0
2	AKHUAPADA	21.4	5	19.3	56.8	140.6	230.2	115.8	-	-	486.6
3	CHAMPUA	4.6	4	9.1	20.0	73.3	197.0	36.2	-	-	306.5
4	KEONJHARGARH	28.8	6	5.9	28.8	128.2	292.0	35.1	-	-	455.3

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5	SWAMPATNA	12.0	6	9.3	18.2	101.6	349.4	55.8	-	-	506.8
6	THAKURMUNDA	18.0	4	5.4	18.0	190.2	277.4	32.6	-	-	500.2
7	CHANDABALI	8.5	5	13.1	33.4	95.4	151.8	78.6	-	-	325.8
8	JOSHIPUR	10.8	4	5.5	10.8	136.6	67.4	33.0	-	-	237.0
9	JHUMPURA	9.2	3	3.1	9.2	142.6	251.2	18.4	-	-	412.2
10	KARANJIA	22.0	3	6.7	22.0	17.0	158.0	40.0	-	-	215.0
11	RAJKANIKA	10.0	2	5.0	15.0	28.0	189.0	25.0	-	-	242.0
12	GHATAGAON	13.4	5	12.6	29.0	225.0	286.3	75.4	-	-	586.7

**BURHABALANGA Basin**

1	CHANDANPUR	18.0	4	6.1	18.0	103.2	188.6	30.6	-	-	322.4
2	BALASORE	29.5	6	22.8	54.8	180.5	196.9	136.9	-	-	514.3
3	BALIMUNDALI	25.4	5	22.5	44.8	175.4	341.8	112.6	-	-	629.8
4	BARIPADA	113.4	6	39.6	113.4	148.2	171.8	237.8	-	-	557.8
5	JAIPUR	55.0	5	22.0	55.0	125.8	252.0	110.2	-	-	488.0
6	NH5-GOVINDAPUR	54.0	6	16.6	54.0	66.4	169.4	99.4	-	-	335.2
7	BONTH	41.0	3	17.8	63.0	86.0	169.0	107.0	-	-	362.0
8	NILAGIRI	40.0	5	23.0	62.0	186.0	280.0	138.0	-	-	604.0
9	SORO	42.0	4	10.8	42.0	188.0	376.0	65.0	-	-	629.0
10	UDALA	53.0	4	16.3	53.0	106.4	129.4	98.0	-	-	333.8
11	BANGIRIPOSHI	24.2	5	12.0	32.2	81.2	176.4	71.8	-	-	329.4

**INDRAVATI Basin**

1	INDRAVATI	77.0	4	89.3	240.0	164.2	333.4	357.2	-	-	854.8
2	NAWRANGPUR	89.0	5	54.6	180.0	80.0	485.0	273.0	-	-	838.0

**KOLAB Basin**

1	JEYPORE	39.2	6	35.9	137.8	163.3	581.0	215.2	-	-	959.5
2	KOLAB	27.6	5	27.7	63.0	138.0	228.5	138.6	-	-	505.1
3	BALIMELA	28.0	5	39.4	72.0	236.4	471.0	197.0	-	-	904.4
4	UMERKOT	141.0	4	49.3	141.0	47.0	339.0	296.0	-	-	682.0
5	KORAPUT	29.0	5	28.1	74.0	143.5	530.5	140.5	-	-	814.5

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6	POTTANGI	15.0	5	15.2	46.0	45.0	269.0	91.0	-	-	405.0
7	MALKANGIRI	70.0	3	35.3	70.0	189.7	284.8	141.0	-	-	615.5

**LOWER BRAHMANI Basin**

1	ALTUMA	20.8	5	16.2	27.8	149.8	240.7	97.0	-	-	487.5
2	JENAPUR	19.2	6	16.8	52.2	193.8	107.6	101.0	-	-	402.4
3	TALCHER	75.4	5	22.5	75.4	102.8	193.0	134.8	-	-	430.6
4	ANGUL	67.0	6	27.9	67.0	108.0	280.4	167.6	-	-	556.0
5	CHHENDIPADA	45.2	4	12.5	45.2	45.5	67.6	74.8	-	-	187.9
6	DHENKANAL	46.0	4	25.8	55.0	183.0	164.0	129.0	-	-	476.0
7	HINDOL	55.0	1	18.3	55.0	139.0	184.0	55.0	-	-	378.0
8	KAMAKSHYANAGAR	13.0	3	20.3	36.0	177.0	112.0	81.2	-	-	370.2
9	NAKTIDUEL	43.0	4	11.8	43.0	28.0	217.0	71.0	-	-	316.0
10	TELKOI	6.0	4	10.7	36.0	83.6	126.0	64.0	-	-	273.6
11	SUKINDA	21.0	5	10.7	21.0	294.0	152.0	64.0	-	-	510.0

**LOWER MAHANADI Basin**

1	ALIPINGAL	94.6	5	34.4	103.4	159.4	239.8	206.6	-	-	605.8
2	ATHAMALIK	82.4	4	23.3	82.4	66.6	142.4	139.8	-	-	348.8
3	BARMUL	25.0	3	11.7	31.4	116.6	195.6	70.4	-	-	382.6
4	BELGAON	93.2	5	32.5	93.2	99.2	468.0	195.2	-	-	762.4
5	BHUBANESWAR	106.7	5	34.2	106.7	165.4	283.1	205.0	-	-	653.5
6	BURLA	5.8	5	13.9	38.4	276.0	340.8	83.2	-	-	700.0
7	CUTTACK	24.6	5	25.2	81.6	161.6	105.6	151.4	-	-	418.6
8	DEOGAN	25.0	1	12.5	25.0	0.0	22.0	25.0	-	-	47.0
9	HIRAKUD	6.2	5	13.2	44.2	296.9	444.7	79.1	-	-	820.7
10	KANTAMAL	73.0	6	19.7	73.0	114.6	424.0	118.0	-	-	656.6
11	KESINGA	112.4	5	29.3	112.4	36.1	35.6	175.6	-	-	247.3
12	KHAIRMAL	129.8	6	36.3	129.8	144.0	278.5	218.0	-	-	640.5
13	MUNDALI	81.2	5	34.1	99.2	282.0	374.5	204.4	-	-	860.9
14	NARAJ	49.4	6	21.0	58.0	155.4	302.8	125.8	-	-	584.0

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15	NIMAPARA	42.8	5	23.9	60.2	201.8	249.2	143.2	-	-	594.2
16	PARADEEP	6.0	4	7.3	33.4	182.5	240.4	43.9	-	-	466.8
17	PHULBANI	57.8	5	19.2	57.8	121.0	389.4	115.0	-	-	625.4
18	PURI	91.6	4	45.6	91.6	125.3	133.0	228.2	-	-	486.5
19	SALEBHATA	52.2	6	35.7	72.0	215.2	308.4	214.4	-	-	738.0
20	TIKERPARA	58.6	1	19.5	58.6	126.6	75.9	58.6	-	-	261.1
21	ATHAGARH	183.0	4	68.6	183.0	368.0	456.2	343.0	-	-	1167.2
22	BOLANGIR	48.0	5	13.4	48.0	74.0	216.4	67.0	-	-	357.4
23	BALIGUDA	63.0	3	37.3	63.0	96.0	434.4	149.0	-	-	679.4
24	BANAPUR	82.5	5	35.6	102.0	229.1	120.5	213.6	-	-	563.2
25	BARGARH	4.0	5	14.5	54.0	177.5	190.6	87.0	-	-	455.1
26	BIJEPUR	32.0	6	34.1	54.0	148.0	276.2	204.3	-	-	628.5
27	BINIKA	56.0	5	19.2	56.0	129.0	421.7	96.0	-	-	646.7
28	DASPALLA	14.2	5	18.6	41.4	180.5	186.2	111.3	-	-	478.0
29	DUNGURIPALI	25.0	6	11.3	25.0	126.0	280.0	68.0	-	-	474.0
30	GOP	78.0	3	19.8	78.0	103.0	145.0	119.0	-	-	367.0
31	HARBHANGA	38.0	4	9.8	38.0	117.0	155.6	49.0	-	-	321.6
32	JUNAGARH	120.0	4	44.3	123.0	52.9	357.5	266.0	-	-	676.4
33	KAKATPUR	117.0	4	42.2	117.0	174.0	228.2	211.0	-	-	613.2
34	KHANDAPADA	23.8	6	25.6	55.0	305.0	400.4	153.8	-	-	859.2
35	KOMNA	81.0	4	18.5	81.0	144.0	345.0	111.0	-	-	600.0
36	LANJIGARH	104.0	4	39.8	104.0	156.0	412.4	199.0	-	-	767.4
37	MADANPUR RAMPUR	88.2	5	28.8	88.2	98.8	495.6	173.0	-	-	767.4
38	NARASINGHPUR	33.0	5	20.4	39.6	193.0	150.4	122.6	-	-	466.0
39	NAYAGARH	19.8	4	13.6	57.8	145.2	147.7	81.4	-	-	374.3
40	PADMAPUR	45.0	5	11.0	45.0	74.0	343.0	66.0	-	-	483.0
41	PAIKAMAL	30.0	3	15.8	60.0	15.0	447.0	95.0	-	-	557.0
42	PATNAGARH	99.4	4	26.4	99.4	46.2	171.8	132.2	-	-	350.2
43	PIPLI	79.0	4	47.8	136.0	142.2	180.0	287.0	-	-	609.2

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44	RAIRAKHOL	15.0	4	5.5	15.0	74.3	243.0	33.0	-	-	350.3
45	RANPUR	58.2	4	24.2	58.2	295.6	199.1	145.2	-	-	639.9
46	SAMBALPUR	5.8	6	17.9	68.4	259.2	351.5	107.1	-	-	717.8
47	SOHELLA	16.0	5	11.2	28.0	128.0	186.0	67.0	-	-	381.0
48	SONEPUR	102.0	4	32.6	102.0	58.0	225.0	163.0	-	-	446.0
49	TITLAGARH	138.2	5	44.4	138.2	78.2	464.8	221.8	-	-	764.8
50	TANGI	45.0	6	32.7	78.0	253.0	177.8	196.0	-	-	626.8
51	KENDRAPARA	7.0	4	15.0	63.0	136.0	272.0	75.0	-	-	483.0
52	TUREIKELA	37.5	4	12.2	37.5	48.5	433.5	73.0	-	-	555.0
53	KHARIAR	89.0	5	23.2	89.0	84.0	189.6	139.4	-	-	413.0
54	TIKABALI	42.0	4	18.4	42.0	65.0	201.0	92.0	-	-	358.0
55	JAIPATNA	103.0	5	55.8	227.0	108.0	413.0	335.0	-	-	856.0
56	ARMPUR	74.4	4	19.8	74.4	65.6	107.4	98.8	-	-	271.8
57	PADMAVATI	12.4	5	22.8	78.6	200.4	202.8	114.2	-	-	517.4
58	PATAMUNDAI	8.0	3	7.1	32.0	78.0	255.6	42.8	-	-	376.4
59	R.K.NAGAR	36.8	5	22.1	43.2	72.6	106.4	132.4	-	-	311.4

**RUSHIKULYA Basin**

1	BERHAMPUR	69.8	5	24.5	69.8	126.0	77.6	122.4	-	-	326.0
2	GOPALPUR	66.4	5	35.0	66.4	148.1	167.0	175.2	-	-	490.3
3	MADHABARIDA	29.0	5	15.1	45.8	205.6	121.8	90.4	-	-	417.8
4	PURUSHOTTAMPUR	133.6	5	37.7	133.6	162.0	181.0	226.0	-	-	569.0
5	SORADA	22.6	5	21.8	69.8	174.6	162.0	131.0	-	-	467.6
6	ASKA	80.0	5	31.5	80.0	253.0	83.0	189.0	-	-	525.0
7	CHHATRAPUR	47.0	3	31.8	61.0	126.0	92.0	127.0	-	-	345.0
8	BHANJANAGAR	76.0	4	31.0	76.0	204.0	149.0	155.0	-	-	508.0
9	DARINGIBADI	41.0	3	39.8	50.0	80.2	293.3	119.3	-	-	492.8

**SUBERNAREKHA Basin**

1	FEKOGHAT	7.6	5	4.9	7.6	215.8	175.8	24.6	-	-	416.2
2	GHATSILA	13.4	4	7.9	20.2	58.4	117.5	47.4	-	-	223.3

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3	JAMSOLAGHAT	13.0	4	6.4	13.0	103.8	165.6	25.4	-	-	294.8
4	RAJGHAT	40.0	6	14.8	40.0	210.0	227.0	89.0	-	-	526.0
5	RANCHI	13.9	4	4.7	13.9	42.5	196.8	23.3	-	-	262.6
6	BHOGRAI	23.0	2	4.7	23.0	122.0	229.0	28.0	-	-	379.0
7	JALESWAR	30.0	3	9.3	30.0	205.0	346.0	56.0	-	-	607.0
8	RAIRANGPUR	19.0	4	17.8	45.0	42.0	54.0	107.0	-	-	203.0
9	TIRING	11.0	3	7.2	28.0	113.0	33.8	43.0	-	-	189.8

**UPPER BRAHMANI Basin**

1	PANPOSH	2.8	6	13.6	61.4	26.8	155.6	81.4	-	-	263.8
2	RENGALI	14.7	5	6.9	14.7	137.4	161.4	34.5	-	-	333.3
3	BARKOTE	9.6	5	4.1	9.6	26.4	193.5	24.6	-	-	244.5
4	DEOGARH	3.2	5	19.6	69.6	264.9	167.9	117.3	-	-	550.1
5	LAHUNIPADA	12.3	4	9.8	43.1	33.8	62.2	58.7	-	-	154.7
6	PALLAHARA	12.0	6	8.7	21.0	73.8	220.2	52.0	-	-	346.0
7	RAJGANGPUR	4.0	6	29.2	78.0	60.6	45.3	175.0	-	-	280.9
8	REMAL	13.0	4	14.9	49.4	134.6	164.0	89.4	-	-	388.0

**UPPER MAHANADI Basin**

1	ANDHIYAKORE	3.6	4	12.6	48.4	29.6	181.2	62.8	-	-	273.6
2	BAIKUNTHAPUR	3.2	4	17.9	73.6	30.8	270.0	107.6	-	-	408.4
3	BANGODAM	2.2	6	14.7	64.6	39.4	142.4	88.4	-	-	270.2
4	BASANTPUR	9.4	6	7.2	13.2	87.8	413.0	43.0	-	-	543.8
5	BAMANDIHI	23.4	4	23.8	58.8	56.0	431.6	119.0	-	-	606.6
6	CHAMPA	54.4	5	30.6	54.4	4.0	383.9	152.9	-	-	540.8
7	DEOGAON	26.6	6	24.4	50.0	235.6	430.2	146.2	-	-	812.0
8	DHARAMJAYGARH	10.0	6	18.4	50.6	103.0	379.2	110.6	-	-	592.8
9	GHATORA	12.6	5	11.4	37.2	0.0	95.8	56.8	-	-	152.6
10	JAMADARPALLI	6.0	5	24.4	106.6	295.6	400.0	146.6	-	-	842.2
11	JAGDALPUR	71.3	6	46.6	160.5	150.4	401.6	279.7	-	-	831.7
12	JHARSUGUDA	2.6	6	12.1	30.0	215.4	293.1	72.3	-	-	580.8

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13	KORBA	17.0	6	39.2	127.8	46.7	676.2	235.4	-	-	958.3
14	KURUBHATTA	9.6	6	12.8	40.4	107.8	295.0	77.0	-	-	479.8
15	NANDAGHAT	6.4	3	5.5	13.0	25.2	343.8	21.8	-	-	390.8
16	PENDRAROAD	20.1	6	16.9	53.4	79.2	269.5	101.2	-	-	449.9
17	PARMANPUR	1.8	5	11.9	49.2	161.4	320.7	71.6	-	-	553.7
18	RAIPUR	52.9	5	12.4	52.9	124.5	622.3	74.1	-	-	820.9
19	RAJIM	69.2	4	12.9	69.2	74.4	487.3	77.2	-	-	638.9
20	SANKARA	35.4	5	8.9	35.4	52.4	379.4	53.4	-	-	485.2
21	SARADIHI	39.0	3	15.8	39.0	136.0	310.6	63.0	-	-	509.6
22	SEORINARAYAN	19.0	4	7.4	23.0	26.8	673.0	44.2	-	-	744.0
23	SURAJGARH	23.4	5	12.2	23.4	162.4	353.2	60.8	-	-	576.4
24	SUNDERGARH	2.4	6	24.5	56.8	274.9	383.6	146.8	-	-	805.3
25	SIMGA	20.8	5	6.2	20.8	22.6	358.8	37.0	-	-	418.4
26	TARAPUR	16.0	4	43.2	89.0	133.6	290.0	216.0	-	-	639.6
27	THETTANG	1.6	6	10.5	45.6	108.0	390.0	62.8	-	-	560.8
28	AMBIKAPUR	6.8	4	3.1	6.8	99.6	91.9	15.4	-	-	206.9
29	BORANDA	67.8	6	12.4	67.8	73.2	492.2	74.2	-	-	639.6
30	HEMGIRI	9.0	4	38.5	88.0	47.4	124.9	192.4	-	-	364.7
31	JAMANKIRA	5.0	4	5.8	28.6	3.4	243.8	34.8	-	-	282.0
32	KELO	4.0	6	17.1	71.0	182.2	342.7	102.8	-	-	627.7
33	KUCHINDA	0.0	4	7.7	36.6	23.8	77.6	46.4	-	-	147.8
34	MAHULPALI	7.6	5	23.6	68.0	0.4	299.4	141.6	-	-	441.4
35	RAMPUR	28.8	5	9.9	28.8	33.2	490.8	49.6	-	-	573.6
36	NAWAPARA	60.0	2	10.3	60.0	1.0	202.1	62.0	-	-	265.1
37	AMBABHONA	27.0	2	14.3	27.0	164.0	286.0	43.0	-	-	493.0
38	LAIKERA	0.0	5	28.9	85.2	0.0	143.5	173.4	-	-	316.9
39	BARGAON	2.2	3	8.0	24.4	53.9	49.2	31.8	-	-	134.9

**VANSADHARA Basin**

1	GOTTA BARRAGE	13.0	5	25.1	92.0	135.8	244.4	150.6	-	-	530.8
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## Odisha Flood Alert- August 07, 2010

Time:0600 hrs	Time:0800 hrs	Time:0800 hrs	Time:0800 hrs	Time:0800 hrs	Time:0600 hrs
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### Reservoir Level & position wrt. Full Reservoir Level

RL: 110.94m	RL: 1470.5ft	RL: 2721.8ft	RL: 850.56m	RL: 632.2m	RL: 58.507m
(-) 12.56m	(-) 45.50ft	(-) 28.20ft	(-) 7.44m	(-) 9.80m	(-) 23.79m

### Reservoir Inflow & Outflow

I:223.37Cumecs	I:469.46Cumecs	I:445.73Cumecs	I:177.54Cumecs	I:386.19Cumecs	I:44.44Cumecs
O:122.39Cumecs	O:87.69Cumecs	O:Cumecs	O:27.32Cumecs	O:5.15Cumecs	O:1.5Cumecs

### Live Storage capacity & Live Storage available

Cap:341371 Ham	Cap:267600 Ham	Cap:96993 Ham	Cap:93500 Ham	Cap:148550 Ham	Cap:55650 Ham
LS:17446 Ham	LS:75844 Ham	LS:40202.98 Ham	LS:31862 Ham	LS:51557.33 Ham	LS:4398 Ham

The RED line corresponds to Full Reservoir Capacity

### g. Weather Scenario

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

Time of observation: 12:30hrs IST

### Catchment Rainfall Summary

Very heavy rainfall has occurred at one or two places over Lower Mahanadi catchments. Heavy rainfall has occurred at many places over Rushikulya catchment; at a few places over Lower Mahanadi catchment; at one or two places over Burhabalang, Lower Brahmani, Upper Mahanadi and Vamshadhara catchments. Rainfall has occurred at most places over all the catchments

### Chief Synoptic Situation

South-West Monsoon has been vigorous over Orissa. Yesterday's Well Marked Low pressure area over North-West Bay and adjoining Coastal Orissa moved in a North-Westerly direction and now lies over Interior Orissa and neighbourhood with associated upper air cyclonic circulation extending up to mid tropospheric level. The axis of monsoon trough on sea level passes through Phalodi, Guna, center of Well Marked Low pressure area, Bhubaneswar and thence to south-east wards to East-Central Bay of Bengal across North-West Bay of Bengal.

### Forecast valid for next 24hrs

Rain or thundershower would occur at many places over Upper Mahanadi, Upper Brahmani and Vamsadhara catchments and at a few places over rest catchments.

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

***Odisha Flood Alert- August 07, 2010***

Heavy rain would occur at one or two places over Upper & Lower Mahanadi, Vamsadhara catchments during next 48 hours

**Quantitative Precipitation Rainfall for next 24hrs**

Vansadhara -11-25mm, all other basins are nil.

**Outlook for Subsequent 48hrs**

Decrease in Rainfall.

Source: Flood Meteorological Centre, India Meteorological Department, BBSR