

# ORISSA FLOOD 2003

## SITUATION REPORT

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**NATURE OF DISASTER: FLOODS**[Return to Main](#)

The state of Orissa is reeling under severe floods since the 27<sup>th</sup> of August 2003. Continuous rains in the upper and lower catchment areas of the Mahanadi river system adjoining the state of Chhattisgarh have worsened the current situation. **19** out of **30** districts have been affected so far, namely **Angul, Bargarh, Boudh, Bolangir, Cuttack, Ganjam, Jagatsinghpur, Jajpur, Jharsuguda, Kalahandi, Kendrapada, Khordha, Nayagarh, Puri, Sambalpur, Deogarh, Sonepur, Koraput, and Nuapada.** National, State, military, and paramilitary forces have been mobilized to assist in the severely affected districts. Road and communication infrastructure have also been badly hit in some parts of the state. Sundergarh has experienced flash floods on the 5<sup>th</sup> of September affecting Gurundia and Bonai blocks. No damage has been reported so far.

The water level of **Hirakud reservoir as on 7<sup>th</sup> September, 2003 at 1800 hrs** was 628.65 feet. The inflow to the reservoir is 5, 78,000 and the outflow is 5, 78,000. Naraj Barrage is releasing 9.6 lakhs cusecs of water resulting in the rise of water level in River Kathjodi but no serious threats are being assessed now and the situation is being closely monitored. **WEATHER FORECAST:** Yesterday's low pressure area over northwest & adjoining west-central Bay of Bengal now lies over Northwest Bay of Bengal & with associated upper air cyclonic circulation extending up to mid-tropospheric level. There is a warning of isolated, but heavy rainfall at different places in Orissa, Chhattisgarh, and coastal Andhra Pradesh. Rain/thundershowers at many places in Orissa, East Madhya Pradesh, Chhattisgarh and Jharkhand and at a few places in the rest region. Heavy warning: Isolated heavy rainfall in Uttaranchal, West Uttar Pradesh, Madhya Pradesh, Jharkhand, Chhattisgarh and Orissa.

**DAMAGE DETAILS:**[Return to Main](#)

1	Total no. of Districts affected	<b>19</b>
2	Total no. of Blocks affected	<b>96</b>
3	Total no. of GPs affected	<b>1129</b>
4	Total no. of villages affected	<b>5199</b>
5	Villages Marooned	<b>1400</b>
6	Population affected	<b>2965986</b>
7	Casualties: Human lives lost	<b>31</b>
8	Casualties: Livestock lost	<b>1886</b>
9	No. of houses affected	<b>102378</b>
10	Crop Area affected	<b>4.105 lakh Hectares</b>
11	No of boats deployed	<b>993</b>
12	No of people evacuated	<b>102401</b>

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Districts	No. of Blocks affected	No. of GPs affected	No. of villages affected	Population affected	No. of human lives lost	No. of houses damaged	Crop area affected (in lakh hectares)
Angul	2	12	70	39829		375	0.06
Bargarh	5	48	115	31826	2	7072	0.32
Bolangir	14	285	1571	460000	6	9000	0.36
Boudh	3	34	174	20389		1013	0.07
Cuttack	14	173	618	606015	3	28655	0.77
Deogarh	3	48	245	48000	1	1299	0.001
Ganjam	1	1	2	1000		63	0.001
Jagatsinghpur	7	69	213	172551	1	639	0.20
Jajpur	2	39	171	171565	1	529	0.22
Jharsuguda	2	10	27	10500		110	0.01
Kalahandi	3	15	26	4505		6850	0.03
Kendrapada	5	64	384	333000	7	7945	0.42
Khordha	7	113	587	269994	2	419	0.31
Koraput	1	4	11	2749		800	
Nayagarh	4	19	74	65000	1	988	0.13
Nuapada	3	12	33	6715	1	383	0.003
Puri	10	133	750	629359	4	21026	0.81
Sambalpur	4	14	20	32989	1	1208	0.04

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Sonepur	6	36	108	60000	1	14004	0.35
<b>TOTAL</b>	96	1129	5199	2965986	31	102378	4.105

### PROJECTED THREATS IN GENERAL

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- Breaches at several places have led to sand casting on agricultural fields thereby aggravating the plight of the farmers.
- As the embankments are made from alluvial soil there is threat of high seepage and piping rate leading to their gradual weakening.
- Due to contamination of drinking water sources, diarrhea cases are likely to increase. So far 616 diarrhea cases as on 1st September, 03 have been reported in the flood affected districts. Lack of safe drinking water would lead to water born diseases in Kendrapada. [Return to Main](#)

DISTRICTS	CURRENT SITUATION AND PERCEIVED THREATS
Angul	State Highway – 62 Breach is hampering road communication between the affected blocks
Boudh	62 roads cut off; 9 restored 261 breaches reported.
Cuttack	6 major breaches and 7 minor breaches; 2 breach closed, 177 roads cut off.
Ganjam	Bhanjanagar-Bhubaneswar State highway which was submerged has been restored
Jagatsingpur	Breaches reported at 5 places. 31 PWD roads have been cutoff out of which 3 have been restored. There has been no disruption in telecommunication and VHF communication in any of the 7 affected blocks.
Jajpur	Breaches in 10 locations in Jajpur along the Genguti River. 12 GPs of Badachana block, 3 GPs of Bari Block, 4 GPs of Dharmasala blocks.6 roads have been cut off.
Kendrapada	12 breaches reported; 3 breaches closed;103 roads cut off; 12 restored
Khordha	30 roads in the district is cutoff – 19 roads under Bhubaneswar subdivision, 5 roads under Khurda subdivision, and 6 RD roads.
Nayagarh	7 breaches have been reported; 26 roads have been cut off.
Puri	20 breaches occurred at various places; The communication network has been disrupted and all roads to the nine affected GPs of Astarang block are submerged. Telephone connection has been snapped off in Kakatpur block.
Sonepur	29 breaches have been reported in this district and 21 of them have been repaired; 21 roads have been cut off out of which 17 have been restored
Bolangir	379 breaches along the river have been reported, 379 out of that 44 major roads and 335 smaller GP and village roads 49 of them have been repaired so far; No of breaches closed 69; 113 R & D roads have been cut off and out of which 75 have been restored.
Baragarh	14 road breaches have been reported in the district.48R&D roads have been reported to be cutoff.
Kalahandi	60 R & D roads have been cut off out of which communication along 30 roads has been restored. 100 breaches along the river had been reported out of which 20 have been repaired.
Sambalpur	2 breaches on NAC –11 Road cut off at Gochhara Bridge, Kulundi Bridge, Kullahapada bridge, Ulanda road, Ladit-tihadi road, Purnapani-saida road, Jarabaga- lapada road, Badbahal-Gudguda road, Turei Road, Kusmibanei Road, Brahmanidei- Bandabahal, 10 roads have been restored
Deogarh	9 breaches reported;1 road cut off
Koraput	11 roads cut off, 3 restored

### HEALTH INTERVENTIONS

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Sl.No	District	No. Medical Teams Deployed	Interventions
1	Cuttack	22	
2	Jagatsinghpur	5 plus 1 Army medical team in Tirtol	
3	Kendrapada	12; 29 Emergency Medical Aid Centers	1 medical team of INS Savitri at Marshaghai
4	Jajpur	12 Emergency Medical Aid Centers and 2	Mobile Medical Units functioning in Raipur, Saudia, and Kundal in Badachana Block.
5	Khordha	12 Mobile Medical Teams	2, 32,000 halogen tablets, 51 bags of bleaching powder, 17750 packets of ORS, 21, 850 tablets of antacid, 24,150 tablets of Metrogl and 17,600 tablets of Paracetamol have been mobilized by the Government.
6	Angul	Mobile Medical Teams deployed at key locations.	Drinking Water-118 tube wells and 247open wells disinfected;
7	Nayagarh	20	
8	Bolangir	19	
9	Bargarh	4	

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10	Sambalpur	6 Mobile Medical Teams have been deployed	9 doctors have been attached
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### MEASURES TAKEN

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Cuttack	4 diver groups with 13 person are in action at Kasarada of Niali Block; 2 relief and two diver team of INS Chilka with 8 boats ( 2 Navy + 6 ODRAF) are now deployed in Banki and Baideswar area;1 Orissa Disaster Rapid Action Force (ODRAF) team deployed at Banki;1 Naval and 1 Army Team deployed in Atthgarh; 1 Naval team deployed at Nischintakoili;1 army team, 1 naval team and 1 ODRAF team deployed at Banki; 1 Army team and 1 NCC team deployed at Kantapada, 1 INS Chilka team and 1 NCC team at Niali;
Jagatsinghpur	1 Army column (135 personnel) posted at Tirtol;7 rescue team of Coast Guard teams are in operation at Tirtol, Biridi, Nuagoan and Raghunathpur;1 Orissa Disaster Rapid Action Force (ODRAF) team deployed at Banki
Kendrapada	1 Navy Team deployed at Korua;1 ODRAF team deployed at Marshaghai and Derabis;1 Army team each at Marsaghai and Patkura
Jajpur	1 army group with 13 personnel working in Barachana area
Khordha	1 army column (28 personnel's)in Balinata block at Sarakana, Jaydev, Bhingarpur and Benupur
Sambalpur	1 ODRAF team has been deployed

- In Ganjam district, RWSS is supplying drinking water in Gokharukuda village twice daily
- 31,415 cattle have been vaccinated
- 897 power and country boats have been pressed into relief operations; Paradip Port Trust has supplied 6 boats to Jagatsinghpur and Kendrapada , 58 boats dispatched to Puri, Cuttack and Kendrapara by Commerce & Transport dept.
- 51 temporary shelters have been provided with drinking water facilities, 21 water tankers deployed.
- 4909 drinking water sources disinfected, 1542 tube wells; 35 pipe water supplies restored.
- 1,19,500 drinking water sachets supplied; 4232 Jerry canes supplied with drinking water.
- In Khordha District -8 water tankers containing drinking water, 4 PVC storage tanks and 1550 jerry cans being sent to affected villages;
- In Angul District water through tankers and plastic containers have been supplied in Athmallik and Tikrapada.

### CURRENT NEEDS: (As per district administration)

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- **Kendrapada:** Kendrapada (Marsagahi, Gardpur) requires boat, safe drinking water and 659 MT of food
- **Cuttack:** Cuttack (Salepur) requires boat and safe drinking water.
- **Khordha:** The district administration has requested for polythene sheets and safe drinking water.
- **Puri:** Polythene – 100 rolls, 6 life jackets, 5000 ORS tabs; Halogen – 20000 required for Nimapada block
- **Bolangir:** 75 polythene sheets have already been distributed and more has been requested by the district administration. Clothes are urgently required for the district.
- **Nayagarh:** District administration requires tarpaulins and clothes.
- **Jagatsinghpur:** 50 tube wells required.

### COORDINATION

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**Coordination meetings are being held regularly with UN agencies (Bhubaneswar) and International / National/ Other NGOs on the current flood situation: the following activities have been undertaken:**

- Three UNDMT (Orissa) assessment teams have visited Jagatsinghpur, Kendrapada, Puri and Cuttack, for rapid assessment. Report has been submitted by the team.
- Assessment of Kalahandi and Bolangir team had a meeting at UNDP office Bhubaneswar on the 4<sup>th</sup> and they have submitted a report of their visit.
- At the state level, Orissa State Disaster Mitigation Authority (OSDMA) is facilitating NGO coordination to augment Government efforts at State, District and Block level.
- The USAID Team had interaction with the government officials and had attended the State NGO Coordination meeting regarding the civil society's response to the current flood situation.
  - UN agencies and International NGOs were requested to extend their necessary support.
  - Red Cross has already alerted its members and asked them to be in touch with local BDOs.
  - Suggestions to have District and Block level Coordination Committee meetings in affected districts and blocks and send reports informing about interventions of NGOs were made.
  - NGOs have been instructed by OSDMA to submit a report on the relief operation carried out by their organization and to maintain minimum standards while carrying out the Relief operations in the flood affected districts.

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- Specific geographical locations have been identified for NGO operations.
- General instructions to be issued to district administration to extend logistic support to NGOs participating in emergency.
- NGOs to keep the District Administration informed about their interventions in various areas.

### FACILITATION OF COMMUNITY AND GOVERNMENT PREPAREDNESS THROUGH DRM PROGRAMME:

- The services of 2840 volunteers trained under Gol – GoO – UNDP Disaster Risk Management Programme [DRM] has been highly helpful for response activity.
- 25 volunteers under the DRM Programme in Kendrapada have rendered services for running the free kitchen at several places in the district.
- DRM trained volunteers have also rendered services in the first aid / search and rescue operations in all the affected Blocks of Jagatsinghpur.
- In Balikuda block of Jagatsinghpur District, the Block Development Officer has used the Village Disaster Management Plan (VDMP) prepared by the community to get detailed information about the villages that are affected by floods.
- The District and the Block Disaster Management plans that were prepared under the DRM programme are being referred by the district and the block administrations for mobilization of resources and placement of dry rations in the vulnerable pockets.
- The Government has inaugurated a comprehensive resource inventory database (IDRN) for quick disaster response to be used for mobilizing the specific equipments and human skills for emergency situations. This online information system can be accessed right from the District – State to the National level authorities so that disaster managers can be able to identify and channel the resources within a very short span of time.
- The district control rooms strengthened with UNDP support are functioning very effectively. Many Block level control rooms are manned round the clock by the DRM Programme volunteers.

### SOME IMPORTANT INFORMATION

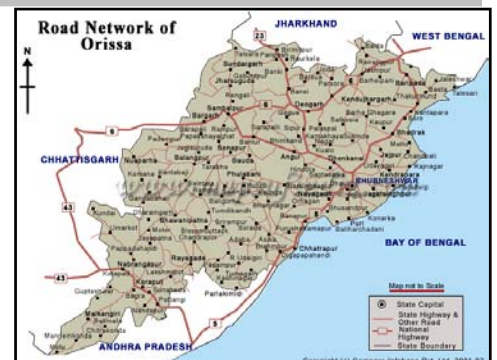
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- **National Highways** (total coverage in the state): 2, 863km
- **State Highways** (total coverage in the state): 1, 95, 914 km
- **Major Airports:** Bhubaneswar, Puri
- **Helipads:** Jajpur
- **Weekly flights** from Bhubaneswar to Chennai, Kochi, Delhi, Mumbai, Kolkata
- **Railways:** Major Junction: Bhubaneswar, Khurda, Cuttack, Rourkela
- **Major Stations:** Jharsuguda, Bolangir, Khurda, Dhenkenal, Keonjhar, Baripada, Rayagada, Koraput, Malkangiri, Puri, Jaipur
- **Daily trains** from Bhubaneswar – Puri: To Agra, Balasore, Berhampur, Mumbai, Kolkata, Hyderabad, Chennai.
- **Weekly trains** from Bhubaneswar: To Bangalore, Kochi, Thiruvananthapuram, Varanasi

### SOURCE OF INFORMATION

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- Indian Metrological Department, Bhubaneswar
- Department of Water Resource, Government of Orissa
- Orissa State Disaster Mitigation Authority (OSDMA)
- District Control Rooms
- UN Agencies
- UNDP Team, Orissa



Source of information, Maps of India