

STATE EMERGENCY OPERATION CENTRE (SEOC), BHUBANESWAR, ODISHA

Situation Report on Very Severe Cyclonic Storm "TITLI" and Subsequent Floods

Date: 15.10.2018, Time: 8.00 AM

The Very Severe Cyclonic Storm 'TITLI' crossed the coast near Palasa in Srikakulam district of Andhra Pradesh to the southwest of Gopalpur as a very severe cyclonic storm with estimated maximum sustained surface wind speed of 140-150 kmph gusting to 165 kmph between 0430 and 0530 hours IST of 11th October 2018. Gopalpur recorded 126 kmph wind speed at 0430 hrs IST of 11th October.

Rainfall during last 24 hours: Average rainfall of the state recorded on 15th October 2018 for the last 24 hours is 0.2 mm.

Flood Situation: Due to heavy downpour flood situation occurred in the river Rushikulya and Vanshadhara.

River's Water Level in Mtr.

River	Forecast Station	DL	WL	Present Water Level (15.10.2018)		
				(At 6 AM)		
Vansadhara	Gunupur	84.00	83.00	82.07 F		
	Kashinagar	54.60	53.60	54.07 R		
Rushikulya	Purushotampur	16.83	15.83	14.81 F		
Baitarani	Akhuapada	17.83	17.33	17.08 F		
Budhabalanga	NH 5	8.13	7.21	6.28 F		
Jalaka	Mathani	05.50	6.20 F		

- No. of Districts Affected: 16 (Gajapati, Ganjam, Rayagada, Puri, Kandhamal, Kendrapada, Keonjhar, Cuttack, Dhenkanal, Khorda, Jagatsinghpur, Jajpur, Nayagarh, Balasore, Mayurbhanj and Angul)
- No. of Blocks Affected: 114 (Gajapati-7, Ganjam-22, Puri-11, Kendrapada-9, Kandhamal-10, Cuttack-11, Dhenkanal-3, Khorda-9, Jagatsinghpur-1, Rayagada-2, Keonjhar-2, Jajpur- 1, Nayagarh- 5, Balasore- 7, Mayurbhanj- 10, Angul- 4)
- No. of Villages affected- 7229
- Population Affected: 57, 08,137
- Persons evacuated and sheltered : 3,60,132 persons evacuated and sheltered in 1614 relief centres on account of cyclone and subsequent flood .
 - Today, 1, 12,931 persons sheltered in 854 relief centres.

Infrastructure Damage:

- Electricity and road communication disrupted due to falling of trees in Gajapati District.
- Major portion of Foot Bridge over Kalingadala barrage (River Bahuda) has been washed away due to heavy rain in Ganjam district.

- Land slide occurred at Bengedangaghat, Daringibadi due to heavy rainfall In Kandhamal District.
- Raikia to Simanbadi bridge, Karada to Indragada bridge, Tudupaju bridge and Chhatigarh bridge have been damaged in Kandhamal District. Bakingia to raikia Culvert, Brahamanapada to Chakapada culvert and Dandakia Culvert have also been damaged in Kandhamal district.
- Ghatiguda RD Road & Brahamanapada to Badala Road in Chakapada block, Katargada to Raikala road, Katalagada to Bearpanga & Uduagiri to Sirki road in G. Udayagiri block of Kandhama district have been damaged.
- A breach on embankment has occurred near village Arkhakuda of Krushnaprasad Block due to storm surge in Puri district.
- Breach of 50 feet width on the embankment of Malaguni River near Mankadakhia bandha of Brahmagiripatna village under Dibyasinghpur GP of Kanasa Block of Puri district.
- A breach occurred in Ichhapur village under Sapua tributary in Cuttack district which marooned 5 villages and 1500 population under Athagarh block of Cuttack district.
- More than 10 nos. of PACS and LAMPCS of Gajapai District have been damaged.
- 8 Roads of length 22 Km in Rayagada, Bisam Cuttack, Muniguda, K-Singhpur and Kolnara blocks and 15 roads of length 65 km in Gunupur, Padampur, Ramanaguda, Gudari and Chandrapur blocks under Rayagada district have been damaged.
- 80 nos. of RD Roads of length 671.37 km in Kasinagar, Gumma, Gosani and Rayagada blocks and 15 nos. of RD Roads of length 80 km in Mohana, R.Udayagiri, Nuagada & Chandragiri blocks have been damaged in Gajapati district.
- Breaches in 5 roads (3 roads in Chakapada block, 1 each in Tikabali and Raikia blocks) have been occurred and 11 roads of length 2 km in Tikabali, Raikia and Chakapada blocks have been damaged in Kandhamal district
- In Ganjam district 64 nos of roads of length 60 km have been damaged and 141 nos. of breaches of 4.62km length have been occurred in Aska, Dharakote, Belaguntha, Saroda, Bhanjanagar and J.N.Prasad blocks. Similarly 30 nos of roads of length 50 km in Hinjili, Patrapur, Rangeilunda,Chikiti,Ganjam, Sheragada and Digapahandi blocks have been damaged.
- **House Damage:** As per preliminary estimate, 19985 numbers of houses damaged in Gajapati, Ganjam, Kandhamal, Puri, Keonjhar, Cuttack, Dhenkhal, Balasore, Angul, Nayagarh, Mayurbhanj and Khorda districts.
Gajapati- 2965,Ganjam- 11615, Puri-1591, Kandhmal- 665, Keonjhar-12,Cuttack-932,Dhenkanal-234, Khorda-368, Balasore- 473, Mayurbhanj- 412, Nayagarh-615, Angul-103)
- **Crop Damage:** 230714.6 hect. (approx) of Crop area affected in Ganjam, Gajapati, Kandhamal, Keonjhar, Khorda, Jagatsinghpur, Nayagarh, Rayagada, Puri, Mayurbhanj, Balasore and Cuttack districts.
- **Human Casualty:** The major casualties under the influence of the cyclone "Titli" and accompanied extremely heavy rain has occurred in village Baraghara under Gangabada GP of Gajapati District. This village is situated at a distance of about 60 km from Garabandha Police Station, consists of 74 households with population of 374. The tribal village is situated on the hill top of Mahindragiri. One has to walk 7 Kms. by foot to reach the village from Gangabada GP. There is dense forest coverage. On 9.10.2018, the Chairman of Raigad Block who happens to be a resident of the same village along with Executive Engineer, RWSS, Gajapati being deputed by District Administration had gone to village Gangabada for evacuation and warning to the villagers to move to safe places in view of cyclone "Titli". Accordingly, 61 families of the village moved to safe places but 13 families did not go out of their houses in

spite of repeated warnings. On 11.10.2018 at 1.00 AM, huge landslide took place. 13 families who were in Baraghara Basti ran helter and shelter out of fear. Due to this landslide, 15 persons have died and 3 persons are missing. On 13.10.2018 the rescue team visited the spot by opening the road, held post-mortem over 15 dead bodies and continuing search to locate and recover 3 missing persons.

- **Livestock:** As per preliminary report of the Directorate of Animal Husbandry & Veterinary Service, Odisha 734956 no. of livestock affected (LA- 290641, SA- 173126, Poultry-271189) and 24209 livestock casualty (LA-148, SA-207, Poultry-23854) occurred in Puri, Gajapati, Ganjam, Kandhamal, Rayagada, Khordha and Cuttack districts.
- **Loss & Damage in Fisheries Sector:** As per the preliminary loss & damage report received from Fisheries & ARD Department, 298 nos. of fishing Boats (34- fully damaged & 264- partly damaged), 472 nos. of net units (120- fully damaged & 352- partly damaged), 607 nos. of fish ponds covering 428.97 ha and 69 nos. of private fish seed farms covering an area of 47.250 ha also 5 nos. of Govt., Fish farms covering an area of 14.66 ha were damaged.

Action Taken by Districts

1. Gajapati

- 13,139 persons have been evacuated and sheltered in 161 shelters.
- Today, 8398 persons are sheltered in 40 shelters.
- Fire Service Team & NDRF team engaged in cutting of trees for road clearance.
- DG (Fire Services) has sent 45 power saws and manpower available at Cuttack to Gajapati district.
- OFDC has sent 70 skilled persons with 13 Power Saws & axe and other equipment for road clearances.
- 6 rescue team consisting 30 personnel with 6 boats are in operation in Gajapati district.
- 3 trucks loaded with 4000 pcs of polythene sheets despatched to Gajapati district.
- 500 packets of Chuda & Gur have been sent to Badagarh, Gangabada GP of Rayagada Block.
- 29 Medical Relief Centers opened and 14 no. of Mobile medical teams have been deployed in the district.
- 69 pregnant women shifted to Maa Gruha .
- 16 No. of Cattle camps opened.
- 7 Mobile Veterinary Units have been mobilized to organize Veterinary Health Camps/De-worming camps in each affected village.
- 79 MT of cattle feed supplied and the distribution is ongoing.
- Additional 21 MT cattle feed will be supplied today.
- NH to Sundhipudi towards Paralakhemundi road approx 5 Km cleared.
- Mohana to Parlekhamundi road cleared of 120- 125 km
- Chandragiri to R. Udayagiri Road cleared
- Mohana to R. Udayagiri road cleared.
- Nuagada to Khajuripada road cleared.
- Restoration of Mochamara to Goshani block is in progress.
- Restoration of Kashinagar to Paralakhemundi is in progress.
- Restoration of roads of Gunupur block completed.
- Restoration of Gopili to palasa road is in progress.
- Water supply provided in 40% area using DG set .
- Roads of block Headquarters have been restored.
- Connectivity to villages have been restored.
- BSNL Services have been improved.
- All the Telecom Service Providers have been instructed by E&IT department, Government of Odisha to restore the telecom service at the earliest.
- 108 fire personals with 75 power saw and 8 power boats are working in the district.
- Drinking water supply has been restored in Mohana Block.

2. Ganjam

- 94,265 people have been evacuated and sheltered in 683 shelters
- 44 nos. of mobile medical teams deployed
- 145 nos. of Medical Relief Centres opened
- 115 Pregnant women shifted to Maa Gruha
- 13310 no. of ORS pkts and 21800 halazone tablets have been distributed.
- 50 fire teams consisting of 150 personnel with Power saw and Power boats are engaged in rescue operations.
- 150 fire personnel divided into 25 teams with 25 power boats deployed to different places for rescue operation.
- Additional 12 fire teams consisting of 65 personnel mobilized from Cuttack, Bhubaneswar and Puri deployed to Aska for rescue & relief
- 2120 no. of food packets have been air dropped in Aska, Purushottampur and Patrapur
- Electricity have been restored in most of the places.
- 10 no. of boats have been deployed.
- 23 no. of veterinary teams deployed
- 22 Mobile Veterinary Units have been mobilized to organize Veterinary Health Camps/De-worming camps in each affected village.
- 136 no. of cattle camps organized
- 200 MT of Cattle feed supplied and the distribution is ongoing
- Additional 113 MT of Cattle feed will be supplied.
- Aska Town- by using 3 DG sets and power supply of South Co. all the 16 production well sources and 1 surface source (intake well-wtp) have made functional. Pumping is in progress. All the sources have started with proper chlorination.
- Water supply pipe line restoration work completed in Purushottampur. There is no more power supply problem.
- The relief has been provided to the villagers of Gangabada GP
 - Dry food packets containing Rice, Dal, Chuda, Gur, Cake, Biscuits, Clothes and Rs.3000/- per household, candle and match box have been distributed.
 - Polythene rolls have been distributed in the village Baraghara
 - Steps are being taken on war foot basis for restoring electricity, road communication and telecommunication.

3. Rayagada

- 16 Free kitchen centers at 14 villages are in operation at Gunupur & Rayagada covering 1138 beneficiaries.
- Polythene have been distributed to the people whose houses are damaged
- Fire Services deployed to the affected areas.
- Road clearing is going on.
- 3 Medical Relief Centre opened
- 8 no. of mobile medical teams have been deployed
- 67 Pregnant women shifted to Maa Gruha.
- 11 no. of cattle Camps organized.
- 11 Mobile Veterinary Units have been mobilized to organize Veterinary Health Camps/De-worming camps in each affected village.
- Gangs from Energy Department have been deployed in rural areas of Gunupur block for restoration of electricity. Post rain disinfection has been started.
- Disinfection of wells at in different villages under Gudari block is being undertaken.
- Mobile health units of Kalhandi districts have been sent to Rayagada district.

4. Puri

- Cooked food & Chuda have been provided to 15798 persons
- No. of Relief Camps Opened- 67
- 15 nos of pump set engaged for dewatering in Puri Municipality
- 125 Qtl Chuda and 13 Qtl Gur have been distributed among the beneficiaries
- 22 Medical teams have been deployed
- 20 Veterinary teams have been deployed.
- 11 Mobile Veterinary Units have been mobilized to organize Veterinary Health Camps/De-worming camps in each affected village.
- 63 cattle camps organized.
- Action has been taken for closure of breach at village Brahmagiripatna under Kanasa Block by DoWR.

5. Kandhamal

- 290 persons have been evacuated and sheltered in 3 shelters
- 270 persons are sheltered in 1 shelter today
- 500 nos. of rolls of Polythene sheets distributed to 2000 affected population
- 01 No. of Medical Teams deployed
- 01 No. of Veterinary teams deployed
- 03 no. of cattle camps organized.

6. Khorda

- 6 persons have been evacuated and sheltered 1 shelter
- 1 Medical Relief Center opened
- 6 Medical teams have been deployed.
- 26 pregnant women shifted to Maa Gruha
- 352 no. of ORS pkts. and 3700 no. of Halazone Tablets distributed.
- 5 Veterinary teams have been deployed.

7. Cuttack

- 2139 persons have been shelter in 11 relief camps.
- Cooked & dry food provided to 18737 persons
- 30 Qntl of Rice, 9.12 Qtl. Chuda and 85 Kg of Gur, 1100 bread, 900 pkt. biscut provided to people in Cuttack district
- 38 Medical teams deployed
- 17 Veterinary teams have deployed in the district.
- 7 no. of cattle camps have been organized
- 2 Mobile Veterinary Units have been mobilized to organize Veterinary Health Camps/De-worming camps in each affected village.
- Repair work Narasinghpur and Athagarh is going on.

8. Jagatsinghpur

- Cooked food provided to 1644 persons and dry food provided to 7137 persons.
- Medicals team are available in each block.
- 8 Mobile Veterinary teams have been deployed for regular vaccination to animals

9. Nayagarh

- 01 No. of Medical team deployed to Bhapur block.
- 08 no. of Veterinary teams deployed

10. Balasore

- 1727 no. of persons have been evacuated and accommodated in 29 relief camps
- 32 no. of Boats deployed for evacuation

- 02 NDRF teams, 02 ODRAF teams and 02 Fire Service Teams have been deployed.
- 05 no. of cattle camps opened.
- Chuda, Gud & other dry foods, free kitchen provided.
- 6 no. of Medical Relief Centres opened
- 3 no. of Mobile Medical Teams have been deployed.

11. Mayurbhanj:

- 1220 persons have been evacuated and sheltered in 09 relief camps.
- 02 no. of medical teams deployed
- 02 no. of veterinary teams deployed

12. Jajpur:

- 123 persons have been evacuated and sheltered in 01 relief camp

13. Angul:

- 315 persons have been evacuated and sheltered in 03 relief camps
- 109 Kg Chuda, 10 Kg, Sugar and 60 pkts of biscuits distributed.

Other Action Taken by Departments

Panchyati Raj and Drinking Water Department

- Supply of Water Tankers by the department
 - One 10000 litres and one 5000 litres water tanker from Bhubaneswar and one 5000 litres water tanker from Nayagarh has been moved to Mohana of Gajapati district for smooth water supply.
 - One 10000 litres & 5000 litres water tanker from Angul division and one 10000 litres water tanker from RWS&S Mechanical Division, Bhubaneswar has been moved to Paralakhemundi of Gajapati district for smooth water supply.
 - 1 lakh litres water pouch to be supplied to Mohana and Paralakhemundi by Executive Engineer RWS&S Berhampur to Paralakhemundi.
 - 10 no of 3 phase Gen Set to be arranged and sent to Mohana and Paralakhemundi by E.E., RW&SS, Bhubaneswar.

The situation is being closely monitored at different level.
