



FLOOD SITUATION REPORTS IN INDIA

10th August 2019

SITUATION IN INDIA

Monsoon rains have wreaked havoc in Kerala, Maharashtra, Karnataka, Assam, Odisha and eastern part of India. The flood like situation in Bihar, Gujarat has showed sign of improvement as rain stopped. But, the situation has worsen in Kerala, Maharashtra and Karnataka. The humanitarian agencies in the respective state is closely working with the government.

A. SITUATION REPORTS - TILL DATE (DURING CURRENT MONSOON SEASON)

Assam

Rainwater flowing down from the hills of Dima Hasao district and heavy showers in the wee hours of Saturday caused flash floods at Lumding in central Assam's Hojai district though the overall flood situation continued to improve.

17,563 hectares of cropland is still submerged in Dhemaji, Barpeta, Morigaon, Hojai, Jorhat, Charaideo and Dibrugarh districts. The number of cattle affected was 41,585 along with 16,400 small animals and 40,434 poultry. In Dibrugarh district, the floodwaters affected 1,618 people under Tingkong, Tengakhat and Naharkatia revenue circles in the last 24 hours. Nine villages were submerged.

A delegation of the Hojai unit of All Adivasi Students' Association of Assam along with Hojai MLA Shiladitya Deb, handed over Rs 20,500 to chief minister Sarbananda Sonowal for the chief minister's relief fund on Friday.

The Brahmaputra was flowing 0.04 metres above its danger level of 75m but was receding. The Dhansiri was flowing 0.73m below its danger level of 78.42m but was showing a rising trend.

Bihar

The flood situation in Bihar showed signs of improvement on Sunday as the water level in four rivers receded and no fresh casualty was reported from any of the 13 deluge-hit districts, officials said. Death toll in the floods remained unchanged at 130 for the fifth consecutive day. People started returning to their homes as flood waters receded in some areas.

According to Water Resources Department, three rivers - Baghmati, Burhi Gandak and Khiroi - are flowing above danger level at five places in Bihar. Baghmati River is flowing above danger mark at Kataunjha (Sitamarhi) and Hayaghat (Darbhanga). Burhi Gandak is flowing above the danger mark at Samastipur rail pull and Rosera rail pull in Samastipur district, while Khiroi is flowing above danger mark at Ekmighat in Darbhanga district.

Altogether 13 districts have been hit by the calamity. Two of the flood-hit districts - Katihar and West Champaran - have reported no deaths so far this season, the department said. The Disaster Management Department has put the total number of people hit by floods, so far, in the state at 88.4 lakh in 1,301 panchayats of 111 blocks of 13 districts.



Relief and rehabilitation measures are being carried out by the state government with assistance from the NDRF. The Meteorological Department has forecast light to normal rainfall in the catchment areas of all the rivers of Bihar in next 24 hours.

Gujarat

The rain has stopped in Vadodara and water started receding now. Heavy rain has impacted most parts of South and central Gujarat during the last 24 hours. Rain recorded in more than 140 Taluks. The water level have surged in Ambika and Purna rivers due to heavy rains. Vadodara city has recorded more than 2 inches of rain. Alert has been announced in low lying areas following warning of heavy to very heavy rain fall.

The situation is getting back to normal quickly due to decrease in the level of river Vishwamitri and Ajwa dam. Efforts are on to resume water and electric supply.

Karnataka

The rain fury and flood situation now covers 10 districts across the State, with heavy rainfall reported in five coastal and Malnad districts. Three more people have died in rain-related incidents: one each in Shivamoga, Belagavi and Haveri districts.

The situation in the worst-affected Belagavi district remained grim on Today. Surging waters have washed away crops on 80,590 hectares of land, affected 8,000 people in 96 villages, and damaged close to 1,050 km of road network and 140 bridges and check dams. The northern region has witnessed closure of NH 48 (Pune–Bengaluru stretch) and also suspension of train services in the Londa-Tinaighat section of Hubballi Division of South Western Railway.

Owing to flood and heavy rainfall, holiday has been declared for educational institutions in the districts of Dharwad, Haveri, Belagavi, Kodagu, Chikkamagaluru, Hassan, Dakshina Kannada, and Uttara Kannada.

Kerala

The flood situation has worsen in northern and middle part of Kerala. Red alert in 9 Districts, red alert will continue till tomorrow in 7 districts (Ernakulam, Thrissur, Palakkad, Malapuram, Wayandu, Kannur, Kasaragod and Idukki) . Water levels in most of the rivers and dams across the state have risen flooding nearby areas. Major rivers like Manimala, Meenachal, Moovattupuzha, Chaliyar, Valapattanam, Iruvazjinpuzha and Pamba are have risen. 26 people were killed and over around 22, 000 people are in the 320 relief camps with nearly 6000 families.

Massive landslide occurred in Wayanad district. As many as 40 people are suspected to be trapped under the debris of landslide. Three were rescued. 24 landslides reported so far from Wayanad, Idukki and Malapuram. Idukki cut off from the rest of Kerala, all roads to Idukki blocked due to landslide.

Maharashtra

Over 600mm rainfall recorded in Maharashtra so far. 22 Districts and 55 villages were affected. At least four persons died in rain-related incidents in Mumbai, Pune and Palghar districts and a man is missing. All Public Schools, Colleges and offices In Mumbai shall remain shut on 5th of August. The rains as on August 4th have resulted in train services off the track, disrupting air traffic and causing power outages in neighbouring Thane and Palghar districts.

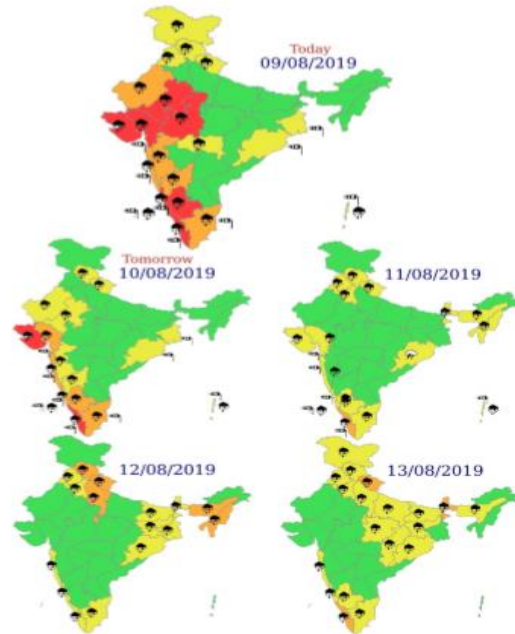
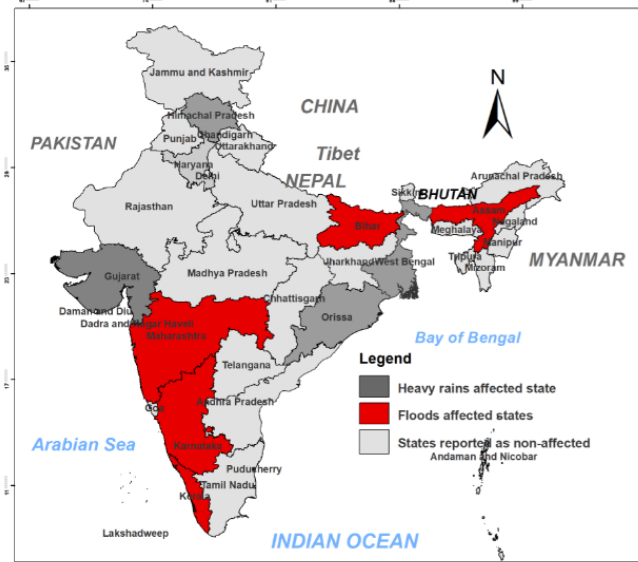
Mumbai received 204 mm until August 4 morning, less than its neighbouring towns of Thane and Virar, but the third highest 24-hour August rainfall in a decade. This also marked the completion of total



‘normal’ rainfall for the season, with 2374.2 mm above the average seasonal rainfall of 2317.1 mm received between June and September.

B. IMPACT OF THE SITUATION

Map showing affected states



- Over 2.5 crore people affected and 704 people death DUE TO FLOOD, LANDSLIDE AND HEAVY RAINS
- Over 2000 relief camps/centers opened Over 7.3 lakh inmates in relief camps DUE TO FLOOD, LANDSLIDE AND HEAVY RAINS
- Total no. of house damaged - Under Assessment. DUE TO FLOOD, LANDSLIDE AND HEAVY RAINS
- Over 16 lakh animals affected (Big, small and poultry) DUE TO FLOOD, LANDSLIDE AND HEAVY RAINS

WARNING

- WARNING (TAKE ACTION)
- ALERT (BE PREPARED)
- WATCH (BE UPDATED)
- NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

- Heavy Rain
- Heavy Snow
- Thunderstorm
- Dust Storm
- Strong Winds
- Visibility
- Cyclone
- Squall/ Hail
- Frost
- Cold Wave
- Heat Wave
- Sea State

1. DISTRICTS AFFECTED – TILL DATE (DURING CURRENT MONSOON SEASON) AND CUMULATIVE

Assam - Cumulative (3rd May 2019 till 8th August 2019)

- 44 Districts affected (Dhemaji, Lakhimpur, Biswanath, Sonitpur, Darrang, Udalguri, Baksa, Nalbari, Barpeta, Chirang, Bongaigaon, Kokrajhar, Dhubri, South Salmara, Goalpara, Kamrup, Kamrup (M), Morigaon, Hojai, Nagaon, Karbi-Anglong, West Karbi-Anglong, Golaghat, Majuli, Jorhat, Shivasagar, Charaideo, Dibrugarh, Tinsukia, Cachar, Karimganj and Hailakandi, Dhemaji, Lakhimpur, Darrang, Nalbari, Barpeta, Chirang, Goalpara, Kamrup, Morigaon, Nagaon, Jorhat and Charaideo)
- 6317 villages affected
- In Dibrugarh district, the floodwaters affected 1,618 people under Tingkong, Tengakhat and Naharkatia revenue circles in the last 24 hours. Nine villages were submerged. The administration has set up two relief distribution centres at Tingkong and Tengakhat.

Bihar - Till date (during current monsoon season)



- 13 Districts affected (Araria, Kishanganj, Madhubani, East Champaran, Sitamarhi, Sheohar, Supaul, Dharbanga, Muzaffapur, Saharsa, Kaithar, Purnia, and west Champaran)
- 1301 Villages affected

Gujarat - Till date (during current monsoon season)

- 09 District affected (Khambhat (Ananad), Surat, Valsad, Navasari, Bharuch, Dang, Vadodara, Tapi and Narmata)
- 55 villages affected

Karnataka – Cumulative (1st June – 8th August 2019)

- 13 Districts affected (Belagavi, Vijayapura, Bagalkot, Yadagiri, Raichur, Uttara Kannada, Uduppi, Dakshina Kannada, Kodagu, Chikamagaluru, Hassan, Haveri and Shivamoga)
- 121 Villages affected

Kerala - Till date (during current monsoon season)

11 Districts affected

(Thiruvananthapuram, Kollam, Alappuzha, Thrissur, Idukki, Malappuram, Kozhikode, Kasargod, Kottayam, Ernakulam, Kannur)

26 Villages affected

Maharashtra - Till date (during current monsoon season)

22 District affected (Thane, Palghar, Pune, Aurangabad, Mumbai, Ahmednagar, Kolhapur and Ratnagiri)

2. POPULATION AFFECTED AND NO. OF DEATHS REPORTED

Assam

- Almost 1.22 lakh people are still affected by the deluge in 10 districts as 23 revenue circles remain partially inundated. Altogether 3,765 people are taking shelter in 23 relief camps in Barpeta, Chirang, Morigaon, Nagaon and Jorhat districts.
- 94 deaths reported
- 316 big and 414 small animal deaths are reported

Bihar

- 130 Human lives lost and 88.47 lakhs population effected
- 125000 persons were evacuated

Gujarat

- Over 5000 people were evacuated and 45 villagers airlifted from Navsari (Mendhar) district.
- 1132 people directly effected
- 54 people lost their lives and 3 injured
- 339 Animals affected



Karnataka

- 65 people lost their lives and 10 injured
- 113 Animal deaths reported
- 2365 persons were evacuated and 1301 houses got damaged

Kerala

- 26 people lost their lives and 3 missing cases reported and 1 injured
- 91 houses fully and 1457 houses partially damaged
- 2639 persons in relief camps

Maharashtra

- Over 200 people lost their lives and 200 injured
- 89 Animal deaths are reported.

C. HUMANITARIAN RESPONSE

1. GOVERNMENT RESPONSE

Assam

- A delegation of the Hojai unit of All Adivasi Students' Association of Assam along with Hojai MLA Shiladitya Deb, handed over Rs 20,500 to chief minister Sarbananda Sonowal for the chief minister's relief fund on Friday.
- In Goalpara district, 45.88km of roads have been affected, including a bridge. According to the flood damages report by executive engineer Padmananda Choudhury, the PWD department requires Rs 92 lakh for repair of roads and Rs 7.59 crore for permanent restoration.

Bihar

- 19 teams of NDRF are deployed.
- So far 4496 persons evacuated including 10 pregnant ladies
- 45 livestock evacuated, 2 persons rescued, 40 dead bodies retrieved, 1 childbirth on NDRF Boat, provided medical assistance to 4982 needy persons
- 7 teams of SDRF are in action and 423 boats of Police and fire force are deployed

Gujarat

- Administration is ready to deal with any situation and NDRF teams are still in Vadodara.
- District administration has issued alert and advisory for the people.
- Valsad Collector C R Kharsan said the water released into Daman Ganga river from Madhuvan dam caused the river to swell, with the district administration issuing alerts for people living in low-lying areas
- Tourists' visits near the rivers are restricted.
- 28 Relief camps are opened and 12500 food packets already distributed
- 21 teams of NDRF and 2 column Army are deployed. 11 SDRF units deployed.
- State Chief Minister Vijay Rupani has announced that compensation would be given to those who were evacuated during the rescue operations and compensation of rupees four lakh to the kin of those who dead in rain-related incidents.
- Prime Minister Narendra Modi has assured all possible help to Gujarat to cope with the flood situation. Chief Minister Vijay Rupani in a tweet informed the message



Karnataka

- 7 teams of NDRF and 2 teams of SDRF are deployed
- Situation is constantly monitored by Hon.Chief Minister, Chief Secretary and all possible assistance is provided to affected districts.
- 2 Columns of Maratha light infantry comprising of 120 personnel in Belgavi district
- Deployed Fire and Emergency services in all districts

Kerala

- 3 teams of NDRF Consisting of 89 rescuers with 8 boats are deployed
- Situation is constantly monitored by Hon. Chief Minister, Chief Secretary and all possible assistance is provided to affected districts.
- A team of Fire and Emergency Services is deployed in all districts
- 24 Hours Emergency operation centre is functioning at all Districts.
- The authorities are running 156 relief camps with 2610 inmates in the relief centres.
- Three teams of NDRF have been deployed in Wayanad, Malapuram and Idukki districts. State requested 10 more team.
- 12 district administration has ordered closure of all schools in flood alerted districts.
- On 08 August Chief Minister held conference with senior officials of different government departments to review the flood situation and directed them to remain fully alert and be prepared to tackle the situation promptly and effectively.
- The chief minister's office has directed district collectors to evacuate people from danger-prone areas
- District administration, Idukki has advised commuters to avoid travelling through the district.
- 3 teams of NDRF and SDRF have been deployed to carry out relief and rescue operations in the affected districts.
- The authority has warned against fishing in the sea and travelling to landslide-prone areas and hilly regions. The warnings forwarded to Police, Fire and Rescue Fisheries Department, DD Panchayath, District Information Officer, Executive engineer dam safety, Taluk Tahsildars, DTPC, SEOC,KSEB
- 24 Hours emergency control room has started functioning in all district Collectorate ,Regularly monitored by District Collector and Deputy Collector (DM)

Maharashtra

- The IMD predicted very heavy rains for the next 48 hours in Mumbai, Thane and Palghar, and extremely heavy rainfall at isolated places
- The BMC issued an advisory asking Mumbaikars not to venture into sea or in water-logged areas
- Teams of NDRF airlifted from Vadodara, Gujarat will land in Mumbai and will be deployed in - Aurangabad, Ahmednagar, Kolhapur and Ratnagiri districts of Maharashtra.
- According to its updated forecast, IMD has downgraded its 'red alert' for Mumbai to 'orange alert'.

2. NGO RESPONSE

- The respective IAGs in the state are closely monitoring the situation.
- The Joint Rapid Needs Assessment (JRNA) lead by respective IAGs i.e. IAG-Assam and IAG Bihar is underway.



- 3rd IAC Committee Skye Meeting held at national level on 8th August 2019 with active participation of IAG representatives.
- The URS-Matrix's on Assam Flood - - Response, HR and JRNA can be accessed at https://docs.google.com/spreadsheets/d/172BLgOGhZzXWcMBOZgS4XxBKlisThgs_c7jaYoxbb5Y/edit?usp=sharing
- IAG Kerala State Emergency Coordination Meeting schedule on 10th Aug 2019 at Kerala State Disaster Management Authority (KSDMA) , Thiruvananthapuram – 2:30 PM
- IAG Idukki, IAG Alappuzha, IAG Wayanad Flood Emergency Coordination Meeting schedule on 10th Aug 2019 at respective districts collectorate premises in Kerala.
- IAG Karnataka flood coordination meeting held on 9th August 2019 at District Child Protection Office, Belgaum.

D. EMERGING NEEDS:

Though it is too early to spell out needs on ground but some of the immediate indications of humanitarian support outline the following:

- WASH • Health: Important medicines through health camps
- Food items • Fodder for livestock • Shelter support- Tarpaulin sheet, mosquito nets, utensils, solar lanterns, bed sheets and cloths

E: SOURCE OF INFORMATION

- Media, IAGs WhatsGroup, India Meteorological Department and flood/heavy rainfall report by Ministry of Home Affairs Disaster Management Division (National Emergency Response Centre)

F. KEY CONTACTS:

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