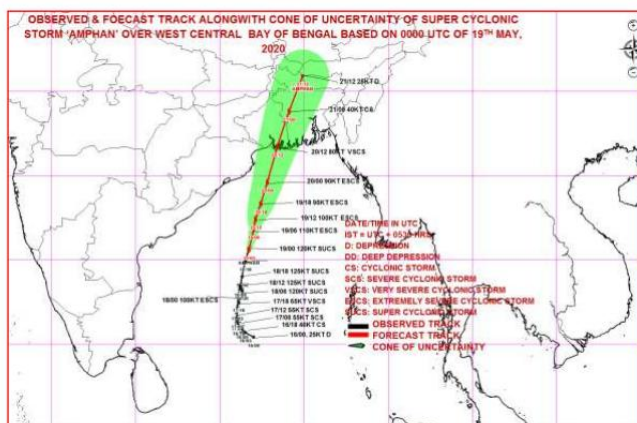
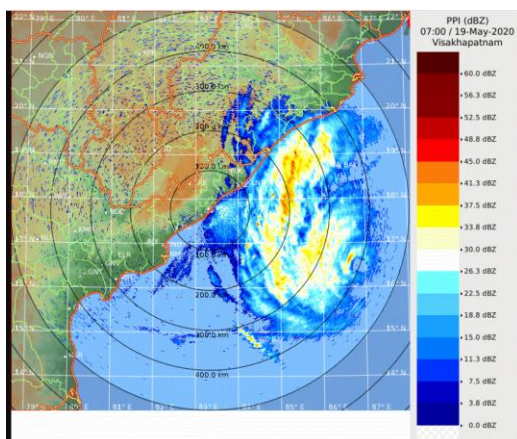


Special Advisory for the States of Odisha, West Bengal, Sikkim and Assam In association with Super Cyclone "AMPHAN"

19-05-2020 1200 hrs

Meteorological Situation & Predictions by IMD

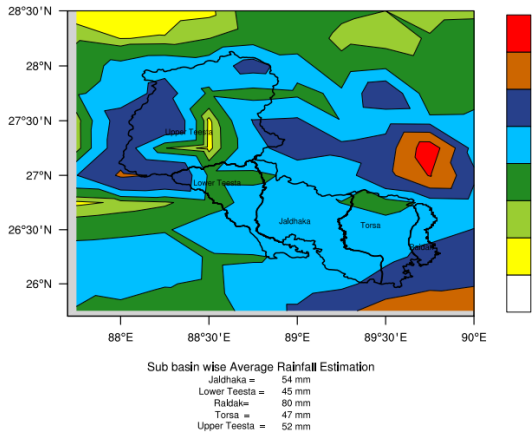
The Super Cyclonic Storm 'AMPHAN' (pronounced as UM-PUN) over Westcentral Bay of Bengal moved north-northeastwards with a speed of 15 kmph during past 06 hours and lay centred at 0830 hrs IST of 19th May, 2020 near latitude 16.0°N and longitude 86.8°E over Westcentral Bay of Bengal about 480 km nearly south of Paradip (Odisha), 630 km south-southwest of Digha (West Bengal) and 750 km south-southwest of Khepupara (Bangladesh). It is very likely to move north-northeastwards across northwest Bay of Bengal and cross West Bengal – Bangladesh coasts between Digha (West Bengal) and Hatiya Islands (Bangladesh) close to Sundarbans during the Afternoon / Evening of 20th May 2020 with maximum sustained wind speed of 155-165 kmph gusting to 185 kmph. The super cyclone 'AMPHAN' is now being continuously tracked by the Doppler Weather Radar (DWR) at Vishakhapatnam (Andhra Pradesh). The DWR picture of Cyclone and Track of the Cyclone is shown in figures below:



The river basin wise rainfall forecast by Numerical Weather Products (namely IMD GFS) for the 21st and 22nd May 2020 for Teesta Basin and Brahmaputra & Barak Basin indicate that there is likelihood of heavy to very heavy rain with isolated pockets of extremely heavy rain. These are indicated in the figures below:

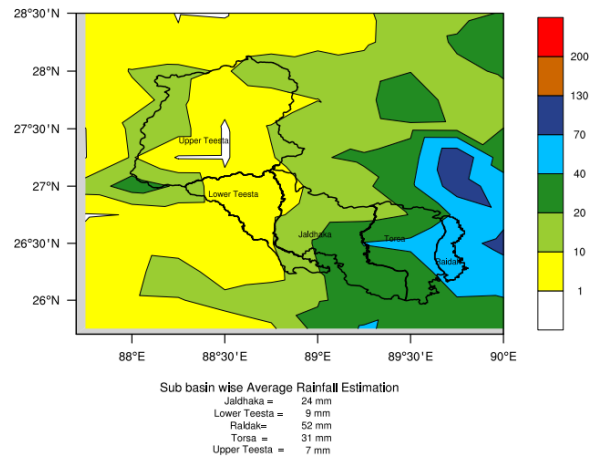
FLOOD MET OFFICE, JALPAIGURI

IMD GFS Rainfall(mm) Forecast (48hr) Day 2 FCST valid for: 21.05.2020 TILL 08:30 IST



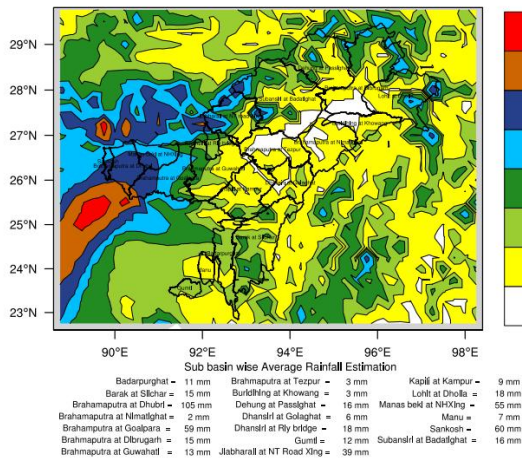
FLOOD MET OFFICE, JALPAIGURI

IMD GFS Rainfall(mm) Forecast (72hr) Day 3 FCST valid for: 22.05.2020 TILL 08:30 IST



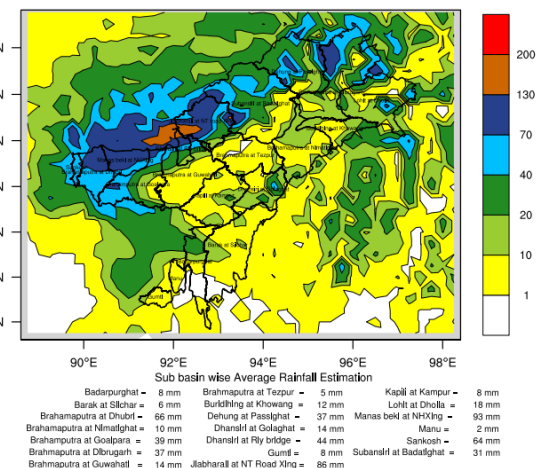
FLOOD MET OFFICE, GUWAHATI

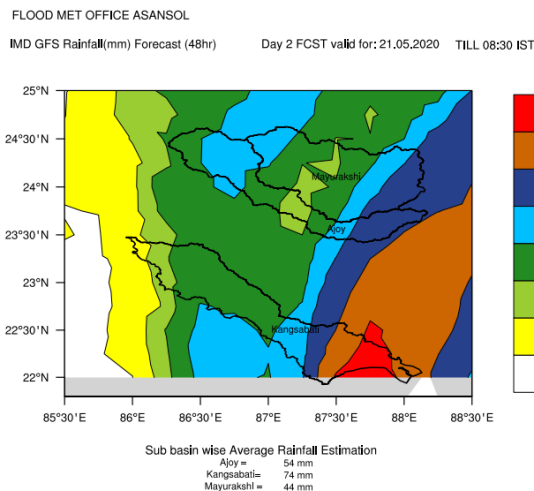
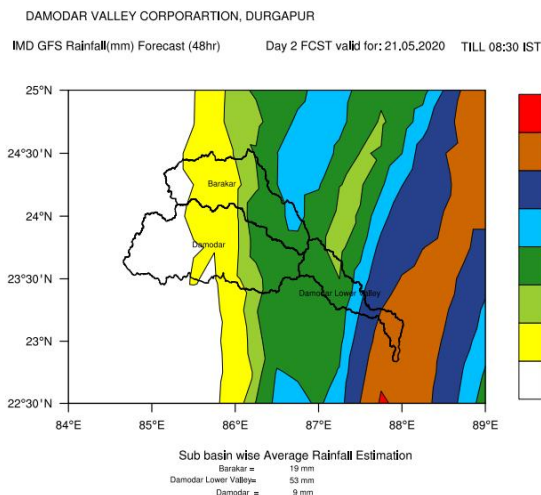
IMD GFS Rainfall (mm) Forecast (48hr) Day 2 FCST valid for: 21.05.2020 TILL 08:30 IST



FLOOD MET OFFICE, GUWAHATI

IMD GFS Rainfall (mm) Forecast (72hr) Day 3 FCST valid for: 22.05.2020 TILL 08:30 IST





The Quantitative Precipitation Forecast issued by IMD, FMO, Guwahati issued on 19th May 2020 indicates that there is likelihood of 26-50 mm rainfall in many of the sub-catchments in the basins of Brahmaputra, Barak, Manu and Gumti in the States of Assam, Tripura on 21st and >100 in Sankosh and 51-100 in Brahmaputra at Dhubri sub-cathment on 22nd May.

Hydrological Situation

Presently, one station naely, N T Road Crossing on river Jia-Bharali in Sonitpur District of Assam is flowing in Above Normal Flood Situation.



Central Water Commission

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Government of India
Central Water Commission
Flood Forecast Monitoring Directorate
Central Flood Control Room

Date: 19/05/2020
Bulletin No: 19

West Block 2, Ground Floor
Wing No 7, R.K. Puram Sector -1,
New Delhi-110066

FLOOD SITUATION SUMMARY		
PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	0
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	1
Total number of sites above Warning Level (A+B+C)		1
PART - II: INFLOW FORECAST		
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)		0

Name: Sameer Das
Designation: Senior Computer

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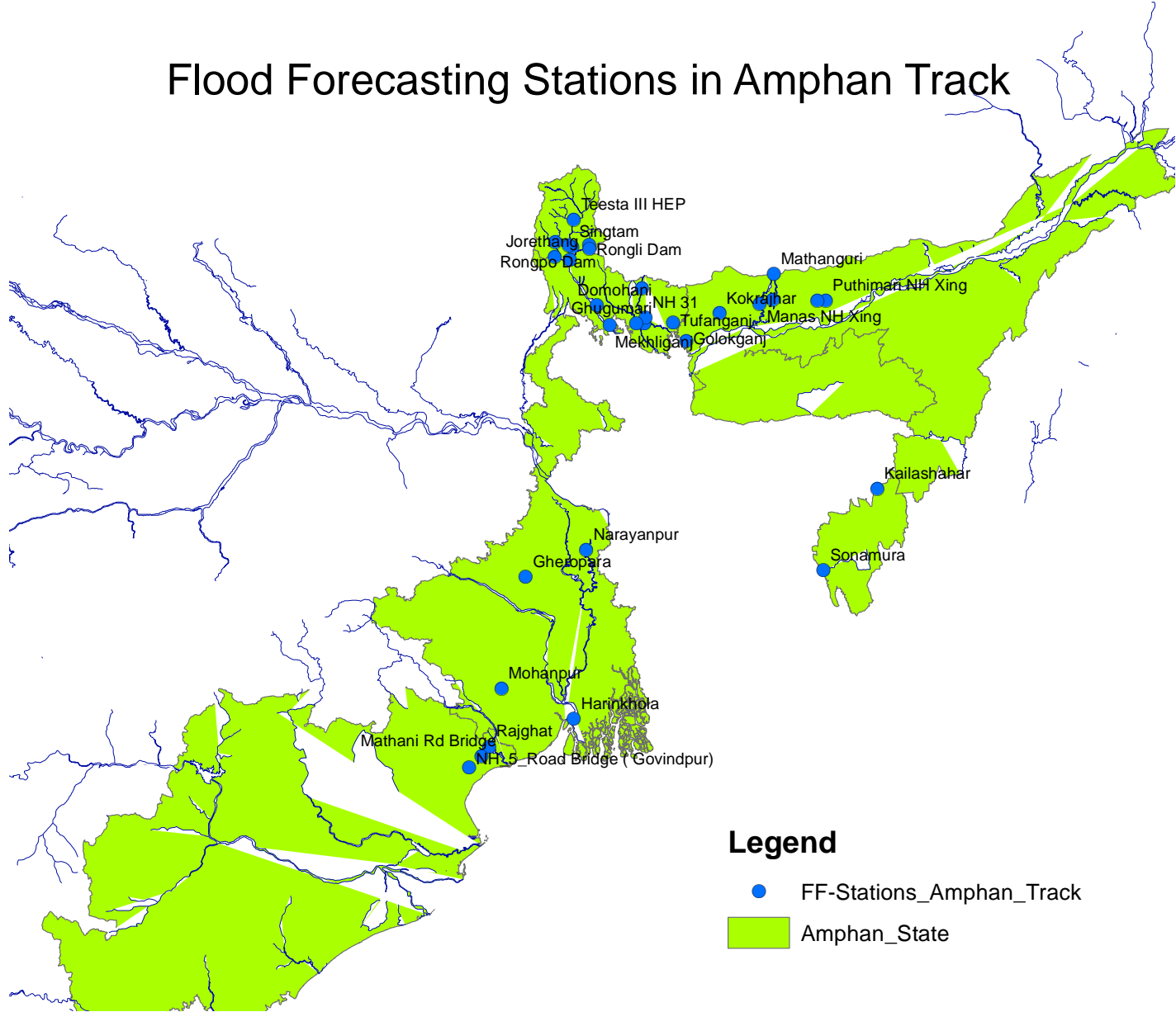
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Conserve Water – Save Live

Daily Flood Bulletin of 19th May 2020 is available at link
http://cwc.gov.in/sites/default/files/cfrcwcdfb19052020_5.pdf

Presently most of the Flood Forecasting Stations in the track of the system is flowing well below Warning Level. Flood Forecasting Stations in Amphan Track are shown in figure below:

Flood Forecasting Stations in Amphan Track



Hydrograph of some of the stations which fall in the track of Cyclone in Teesta and Brahmaputra basins are shown below:



Flood Advisories

State of Odisha

Since only Coastal areas of Odisha are expected to get heavy to very heavy rainfall no major riverine flooding is expected in North Coastal Odisha except for some rise in levels in small basins such as Jalaka in Balasore District.

State of West Bengal

Due to likely heavy to very heavy rainfall with isolated Extremely heavy rainfall at the time of storm crossing coast on 20th May 2020, there is likelihood of rapid rise in water levels in many of the small rivers and rivulets in Gangetic West Bengal. Some rise in Water level is also expected in Kangsabati, Ajoy, Upper Mahananda and Mayurakshi but since most of the rivers are flowing at very low level, no significant riverine flooding is expected. There is likelihood of Urban Flooding like situation in the city of Kolkata and its surrounding areas in view of the extremely heavy rainfall forecast at the time of crossing the coast. The districts likely to be affected include Medinipur, 24 Parganas, Hooghly, Murshidabad, Malda and Dinajpur on 20th and 21st May 2020.

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In the North Bengal, in view of the rainfall forecast in most of the sub-basins of Teesta, Torsa, Jaldhaka, Raidak and Sankosh, there is likelihood of rapid rise in water levels in all these rivers. There is likelihood of Above Normal to Severe Flood in the districts of Jalpaiguri Alipurduar and Coochbehar Districts on 21st and 22nd May 2020.

State of Sikkim

Due to the rainfall forecast, there may be chances of flash flooding and associated land slides in Hill District of Sikkim in North East and South Sikkim between 21st and 22nd May 2020. There may be significant inflows into Teesta and other Hydro-Electric Projects in North Sikkim and all projects have to be on alert for operation of the gates and proper intimation to the downstream areas have to be given in case of any heavy outflows.

State of Assam

Due to the rainfall forecast, there is likelihood of rapid rise in Water Levels in the sub-basins of Sankosh, Gaurang, Champamati, Aie, Manas, Beki, Pagladiya, Puthimari and Jia-Bharali in the districts of Kokrajhar, Chirang, Dhubri, Baksa, Bongaigaon, Barpeta, Nalbari, Kamrup Rural and Sonitpur. Main Brahmaputra may also rise slowly but there may be Above Normal Flood only around Jorhat District. As per the forecast, rainfall is confined to the western portions of Assam not much flow is expected in various Hydro-Electric Projects located in Kopili, Dhansiri (S) and Subansiri. However, the project authorities may keep continuous vigil in case of any sudden change in direction of movement of storm.

Districts likely to be affected due to riverine flooding

West Bengal: Meidhinipur (East & West), 24 Parganas (North & South), Hooghly, Murshidabad, Malda, Dinajpur (North & South), Jalpaiguri, Alipurduar and Coochbehar
Sikkim: North, East and South Sikkim
Assam: Kokrajhar, Chirang, Baksa, Dhubri, Bongaigaon, Barpeta, Nalbari, Kamrup Rural, Sonitpur, Darrang and Jorhat