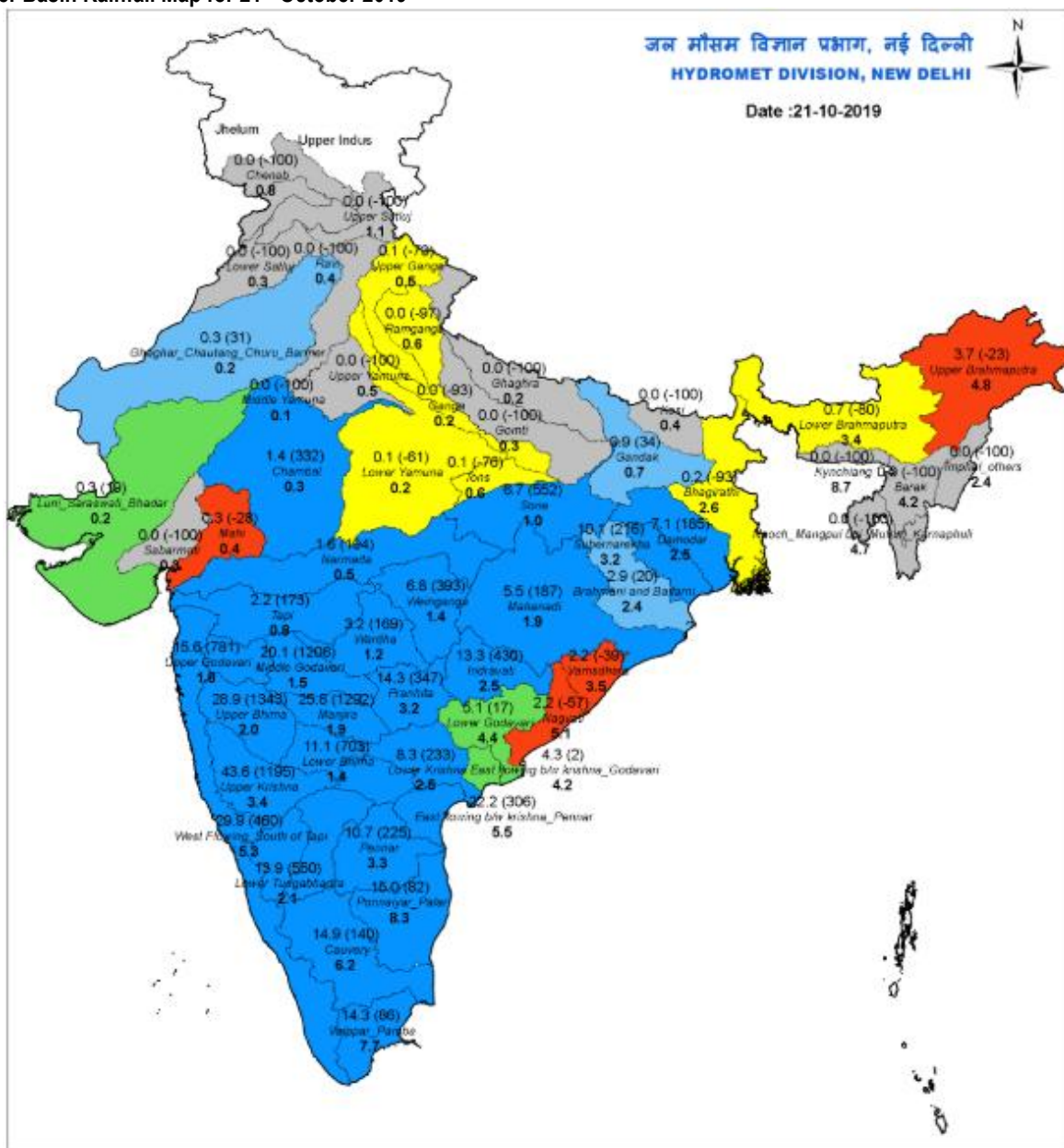


Special Daily Flood Situation Report cum Advisories

21-10-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 21st October 2019



Large Excess [60% or more]
 Excess [20% to 59%]
 Normal [-19% to 19%]
 Deficient [-59% to -20%]
 Large Deficient [-
99% to -60%]
No Data [-100%]
 No Rain

Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

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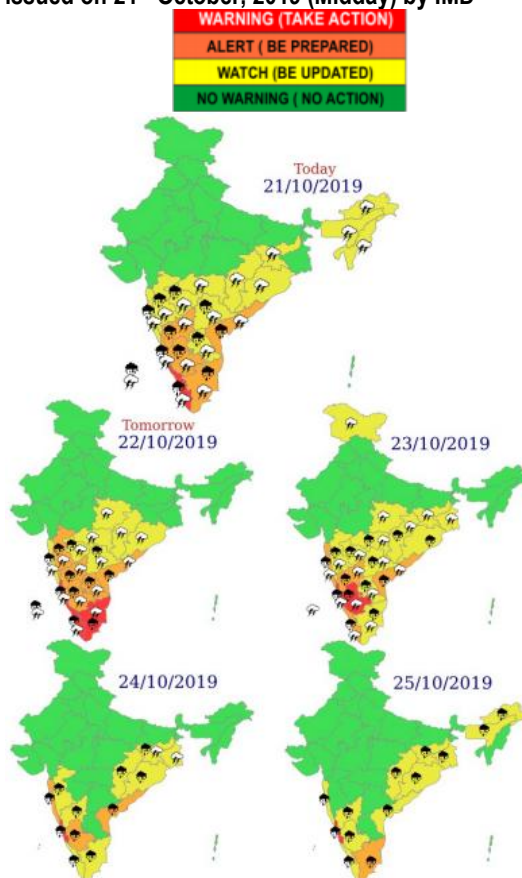
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1.1.2 Rainfall forecast for next 5 days issued on 21st October, 2019 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation as per actual/ forecasted rainfall situation

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)	1
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	2
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	13
Total number of sites above Warning Level (A+B+C)		16
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)		28

For details please visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-21102019.pdf>

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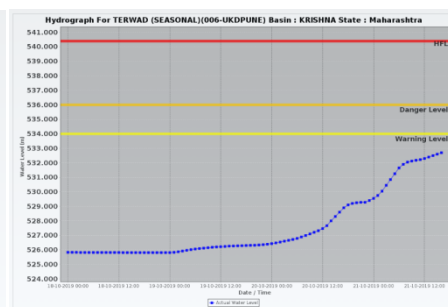
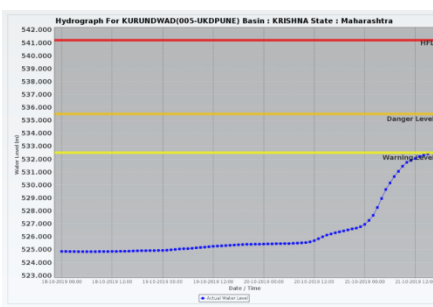
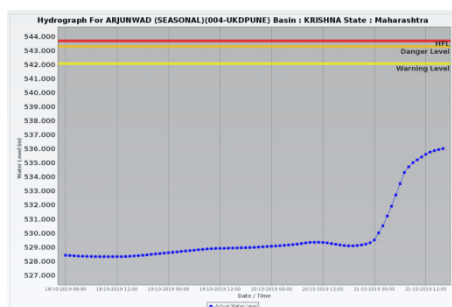
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2.1.1 Krishna Basin in Maharashtra, Karnataka, Telangana and Andhra Pradesh

Due to low pressure area in East Central Arabian Sea and another trough of low pressure in South West Bay of Bengal, trough from these systems extending into Maharashtra, there has been widespread heavy to very heavy rainfall in catchment areas of Krishna and its tributaries for the past 3-4 days. Further, there is forecast of heavy to very heavy rainfall in catchment areas of river Krishna and its tributaries for another 72 hours in the Interior Karnataka and South Madhya Maharashtra. Due to the ongoing rainfall, rivers Krishna at Arjunwad in Sangli District, Kurundwad (Krishna River) and river Panchganga at Terwad both in Kolhapur District have risen and have almost attained their peak. Hydrograph is appended.



River Doodhganga at Sadalga in Belagavi District of Karnataka, river Ghataprabha at Gokak and Mudhol in Belagavi and Bagalkote District respectively of Karnataka have also started rising. River Ghataprabha at Mudhol is flowing in Extreme Flood Situation and at Gokak, the river is flowing in Severe Flood Situation. Besides this river Benehalla at Navalgund in Dharwad District is also flowing in Severe Flood Situation and is very close to Extreme Flood Situation.

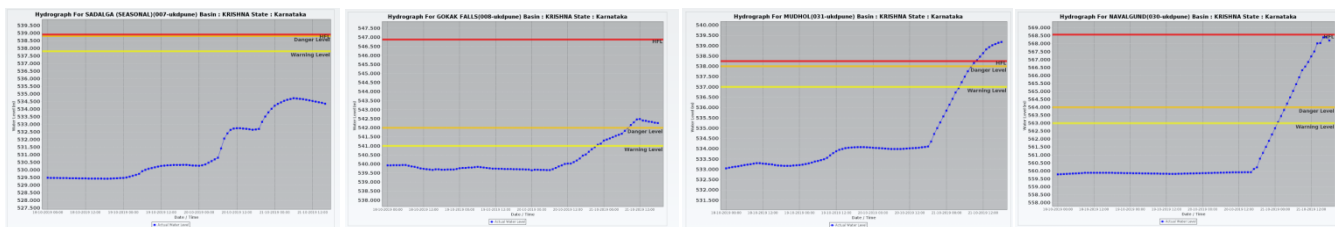
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The combined effect of Krishna, Dudhganga and Ghataprabha will be felt at Almatti Dam whose inflow is likely to rise to around 1 Lakh cusec by tomorrow morning. Additional flow from Bennehalla and Malaprabha may increase the flow at Narayanpur Dam in Yadgir District to about 1.4 Lakh cusec by tomorrow morning. Since all dams in this reach are at Full Reservoir Level (FRL), it is likely that most of the flow will be released downstream. Further river Bhima is also rising all along its course from Ujni Dam and may also contribute significantly to the flow at P D Jurala. There is very heavy rainfall occurring in Tungabhadra basin also and the inflows into Tungabhadra Dam are also likely to increase around 1 Lakh by tomorrow morning. The combined effect of all the above system is likely to be felt at Srisailem Dam for the next 3-4 days. Srisailem Dam is having a cushion of about 7 TMC only and hence there is need for slow increase in discharge as forecast for heavy to very heavy rain in interior Karnataka has been given for next 4 days. All the other downstream dams namely, Nagarjunasagar, Dr KLRs Pulichintala Project are also having a combined flood cushion of only 4 TMC. This necessitates the increase in flood cushion sufficiently so that in case of any extreme meteorological event happening in the periphery of these reservoirs in downstream, there will be adequate flood cushion to absorb the incoming floods. Strict vigil has to be maintained in all the river systems as mentioned above.

2.1.2 West Flowing Rivers between Tadri and Kanyakumari

Due to ongoing very heavy rainfall in Kerala and in Kanyakumari District of Tamilnadu, River Pamba at Thumpamon in Pattanamthitta district is flowing in Severe Flood Situation with rising trend. River Tamraparini at Kuzhithurai and Pazhayar at Ashramam in Kanyakumari District of Tamilnadu are flowing in Above Normal Flood Situation. There is forecast of extremely heavy rainfall in Thiruvananthapuram, Pattanamthitta, Idukki, Ernakulam, Thrissur and Palakkad District and very heavy rainfall in Kanyakumari District. There is likelihood of rise in Water Levels of Periyar and its tributaries, Bharathapuzha and its tributaries & Pamba and its tributaries as well as in Tamraparini and Pazhayar rivers. Strict vigil has to be maintained in all the river systems as mentioned above. The Idukki and Idamalayar Dams in Periyar Basin are filled up around 77% of their capacities.

2.1.3 Cauvery Basin

Though there is no significant flood in Cauvery Basin as of now, however, forecast of very heavy to extremely heavy rainfall in South Interior Karnataka, Wynadu District of Kerala and in Coimbatore, Nilgiris District of Tamilnadu, there is likelihood of rise in water levels in Cauvery and its tributaries. Since most of the dams are very near their FRL or near their rule level, there is likelihood of sudden releases in association with rainfall. Since Bhavanisagar Dam has also reached close to its rule level of 102 feet, there may be releases from this dam also which may increase the flow in Cauvery through Bhavani in Erode, Karur and Tiruchirapalli Districts. Strict vigil has to be maintained in all the river systems as mentioned above.

Flood Affected Districts:

Karnataka: Belagavi and Bagalkote District (along river Ghataprabha) and Dharwad (along river Bennehalla)

Kerala: Pattanamthitta (along river Pamba)

Flood Alerted District:

Karnataka: Along river Krishna in Vijayapura, Yadgir, Raichur, along river Tungabhadra in Shivamogga, Chickmagalur, Haveri, Ballari, Koppala, along river Bhima in Kalaburagi and Yadgir

Kerala: Along river Periyar in Idukki and Ernakulam, Along Bharathapuzha in Malapuram, Palakkad, Along Pamba in Pattanamthitta, Along Kabini in Wynad

Tamilnadu: Along Tamraparini and Pazhayar rivers in Kanyakumari, Bhavani in Coimbatore, Nilgiris, Erode