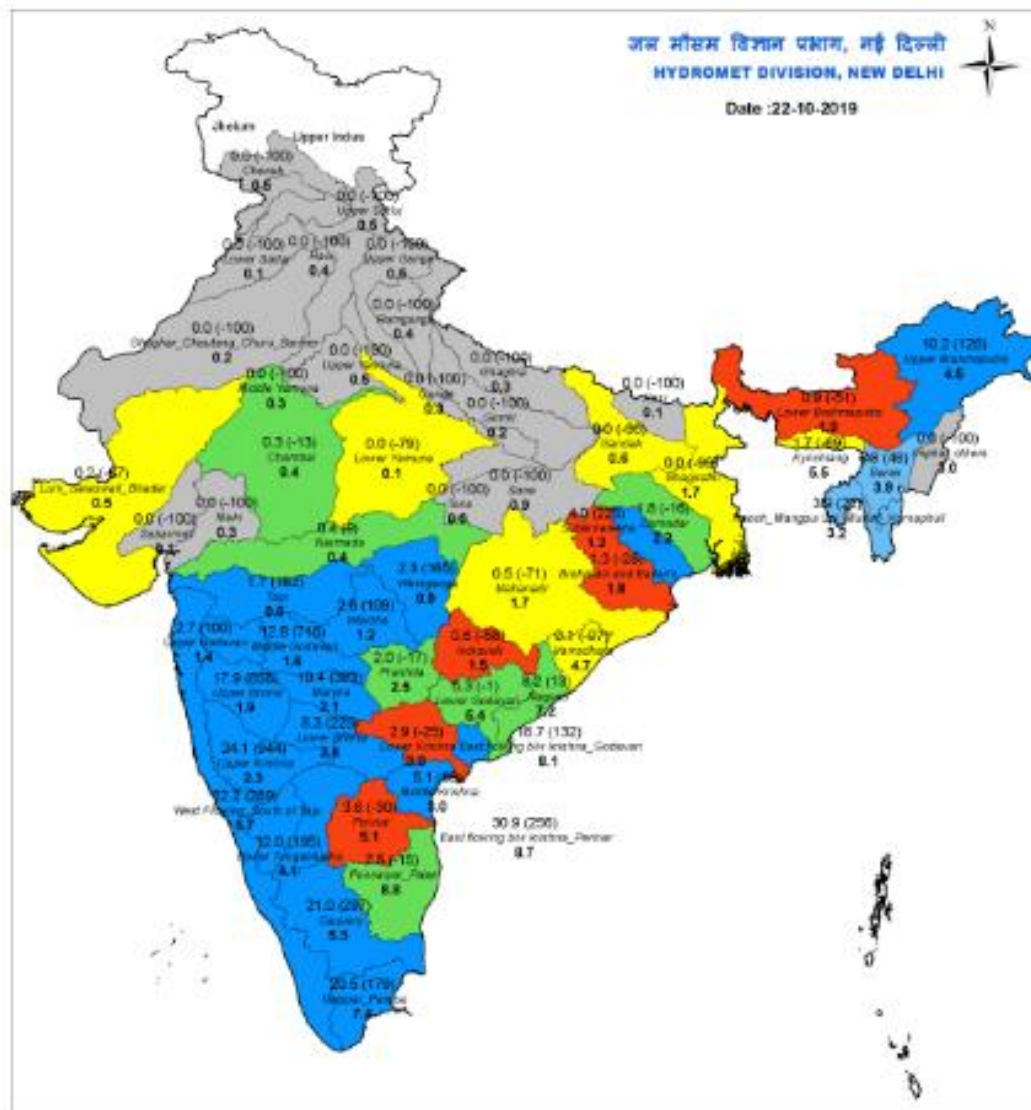




Daily Flood Situation Report cum Advisories 22-10-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 22nd 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
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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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1.1.2 Rainfall forecast for next 5 days issued on 22nd October, 2019 (Midday) by IMD

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



2.0 CWC inferences

2.1 Flood Situation as per actual/ forecasted rainfall situation

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))	6
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	9
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)		24

For details please visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-22102019.pdf>

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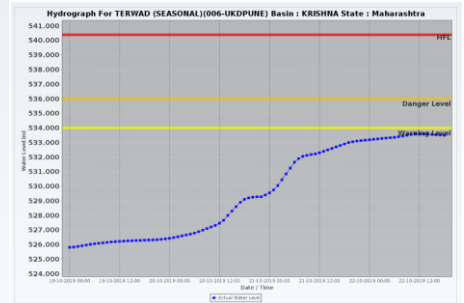
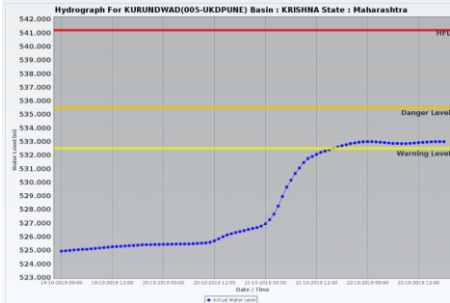
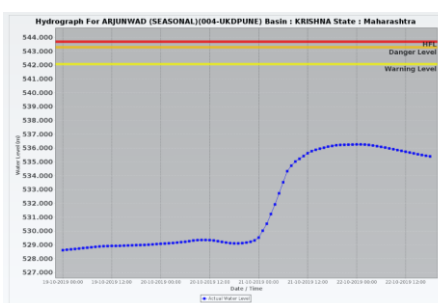
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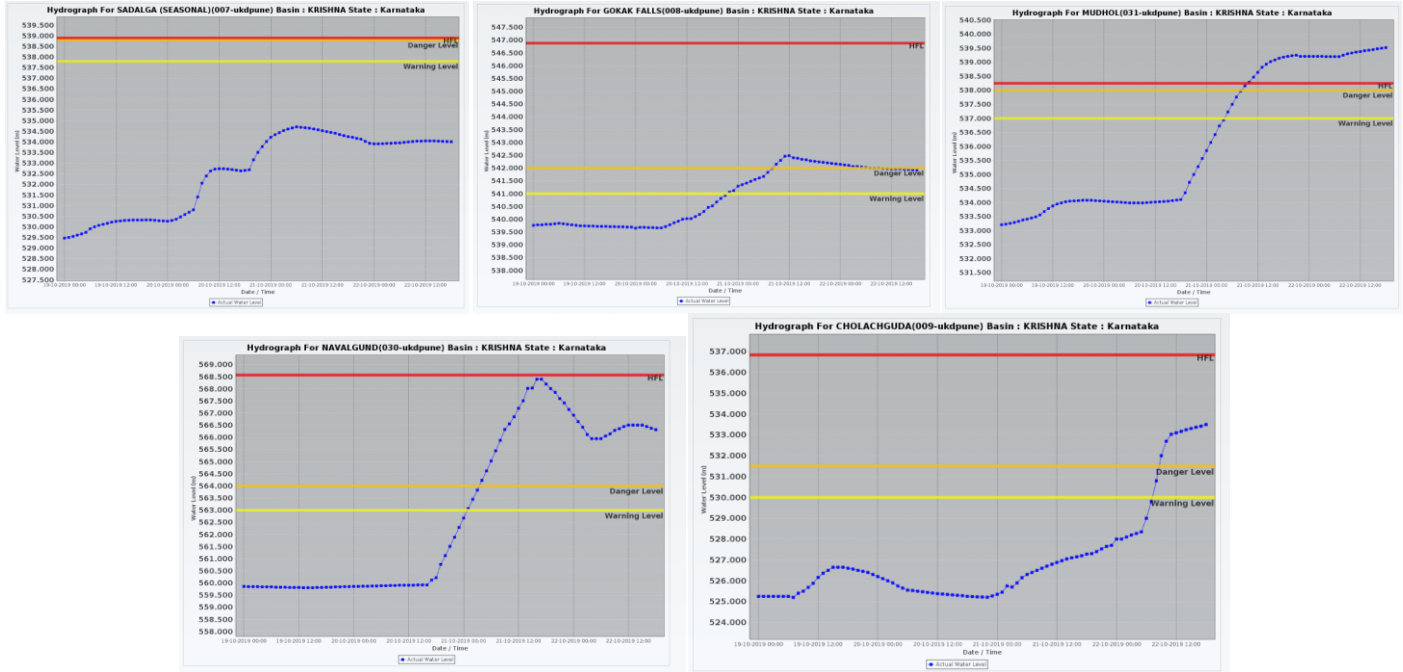
2.1.1 Krishna Basin in Maharashtra, Karnataka, Telangana and Andhra Pradesh

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. River Malaprabha at Cholachguda in Bagalkote District is also flowing in Severe Flood Situation.



The combined effect of Krishna, Dudhganga and Ghataprabha will be felt at Almatti Dam whose inflow is likely to rise to around 1.8 Lakh cusec by tomorrow morning. Additional flow from Benehalla and Malaprabha may increase the flow at Narayanpur Dam in Yadgir District to about 2.8 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 upto around 75,000 cusec to the flow at P D Jurala.

There is very heavy rainfall occurring in Tungabhadra basin also and the inflows into Tungabhadra Dam is likely to be around 1.5 Lakh by tomorrow morning. Due to very heavy rainfall in Ballari, Koppal and Haveri Districts, river Tungabhadra downstream of Tungabhadra dam is also rising. Due to this river Tungabhadra at Mantralayam in Kurnool district of Andhra Pradesh is flowing in Above Normal Flood Situation and is expected to rise to 311.40 m by tomorrow morning compared to Danger Level of 312.00 m. This will also add up to the inflows into Srisailem Dam.

The combined effect of all the above system is likely to be felt at Srisailem Dam for the next 3-4 days. Presently Srisailem is getting an instantaneous inflow of 90,000 cusec at 1600 hrs today. It is expected to rise to about 2.1 lakh by tomorrow morning and to around 4 lakh by 23rd. Srisailem Dam is having a cushion of about 7 TMC only at 1600 hrs today 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 and in Kurnool District of Andhra Pradesh for next 24 hours.**

All the other downstream dams namely, Nagarjunasagar, Dr KLRS Pulichintala Project are also having a combined flood cushion of only 1.4 TMC by 11600 hrs today. **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 as there is chance**

of extremely heavy rainfall in Guntur and Krishna Districts on 23rd and 24th October 2019. Strict vigil has to be maintained on all these systems of reservoirs in Karnataka and Andhra Pradesh on river Krishna and its tributaries.

2.1.2 West Flowing Rivers between Tadri and Kanyakumari

Rainfall activity has reduced in Kerala and in Kanyakumari district of Tamilnadu. However, there is extremely heavy rainfall warning for Coastal Karnataka which may increase the levels in rivers like Netravathi, Haladi, Aghanashini etc.

2.1.3 Cauvery Basin

Though there is no significant flood in Cauvery Basin as of now, however, forecast of very heavy rainfall in Kodagu, Hassan and Chikmagalur district for 72 hours and in Coimbatore, Nilgiris District of Tamilnadu for 24 hours, 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 (along rivers Krishna, Ghataprabha & Malaprabha) and Dharwad (along river Bennehalla & Tungabhadra)
Kerala: Thrissur (along river Karuvannur)

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, Along Bharathapuzha in Malapuram, Along Kabini in Wynad
Andhra Pradesh: Along river Tungabhadra in Kurnool and Krishna in Kurnool
Telangana: Along river Krishna in Jogulamba Gadwal
Tamilnadu: Along river Bhavani in Erode District

Flood Affected/ Altered Districts

