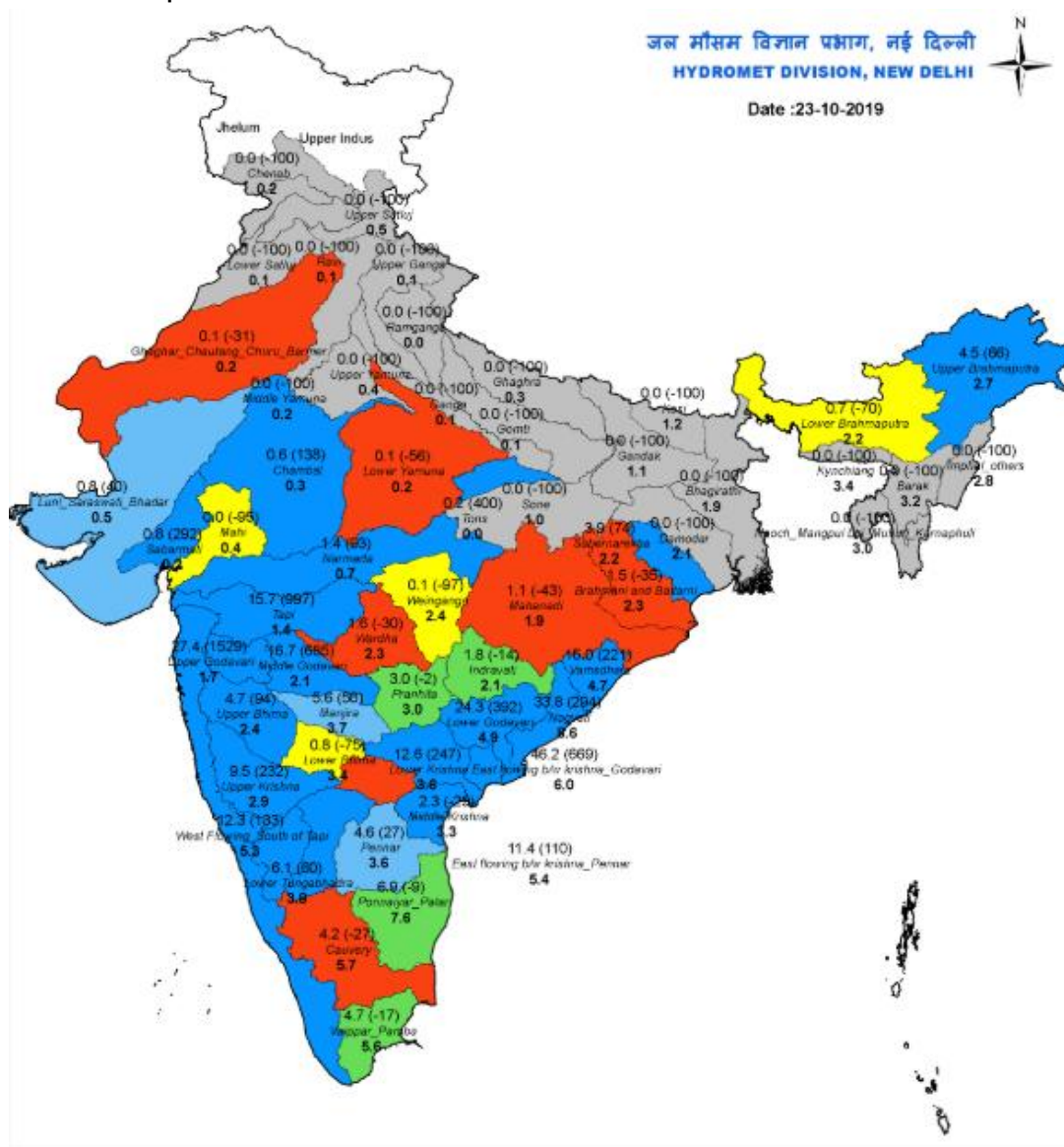




Special Daily Flood Situation Report cum Advisories 23-10-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 23rd 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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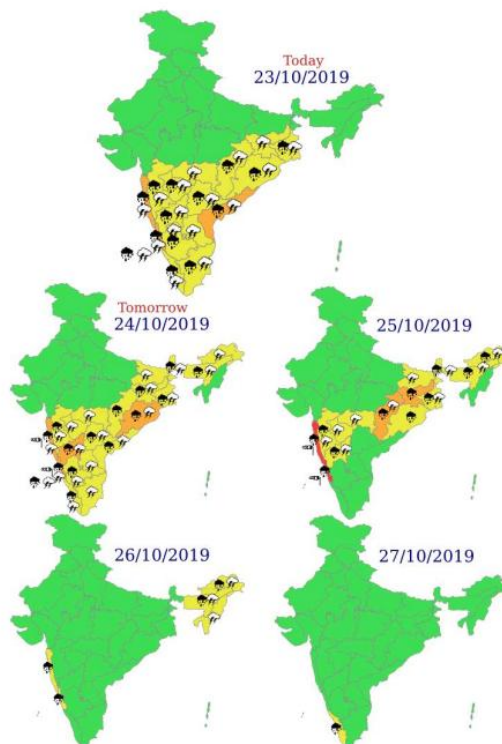
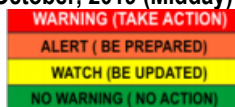
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1.1.2 Rainfall forecast for next 5 days issued on 23rd October, 2019 (Midday) by IMD



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)	8
Total number of sites above Warning Level (A+B+C)		15
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)		27

For details please visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-23102019.pdf>

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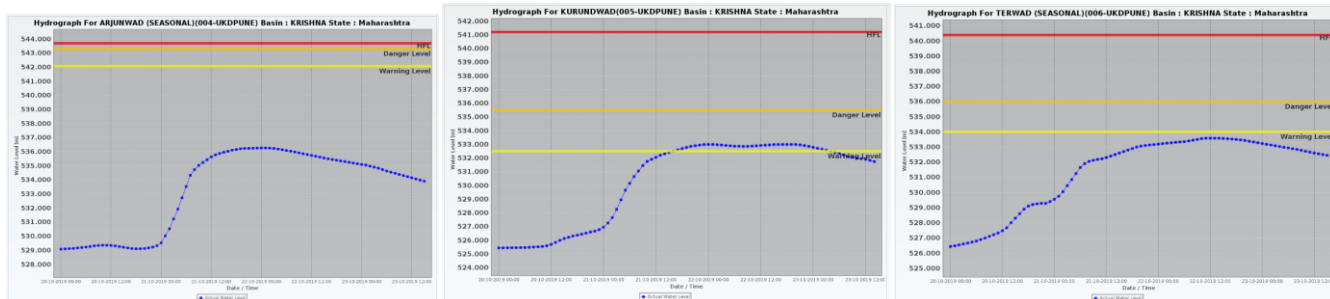
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2.1.1 Krishna Basin in Maharashtra, Karnataka, Telangana and Andhra Pradesh

Due to well marked low pressure area in East Central Arabian Sea and another well marked low pressure in West Central Bay of Bengal, there has been widespread heavy to very heavy rainfall in catchment areas of Krishna and its tributaries for the past 4-5 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 are falling very slowly. Hydrograph is appended.



River Dudhganga at Sadalga in Belagavi District of Karnataka is falling slowly, river Ghataprabha at Gokak in Belagavi District is flowing close to its Danger Level and Mudhol in Bagalkote District continues in Extreme Flood Situation with slow falling trend. Besides this river Benehalla at Naval Gund in Dharwad District is also flowing in Severe Flood Situation. River Malaprabha at Chalachguda in Bagalkote District is also flowing in Severe Flood Situation. The water levels are falling slowly at all above stations as shown in Hydrographs below.

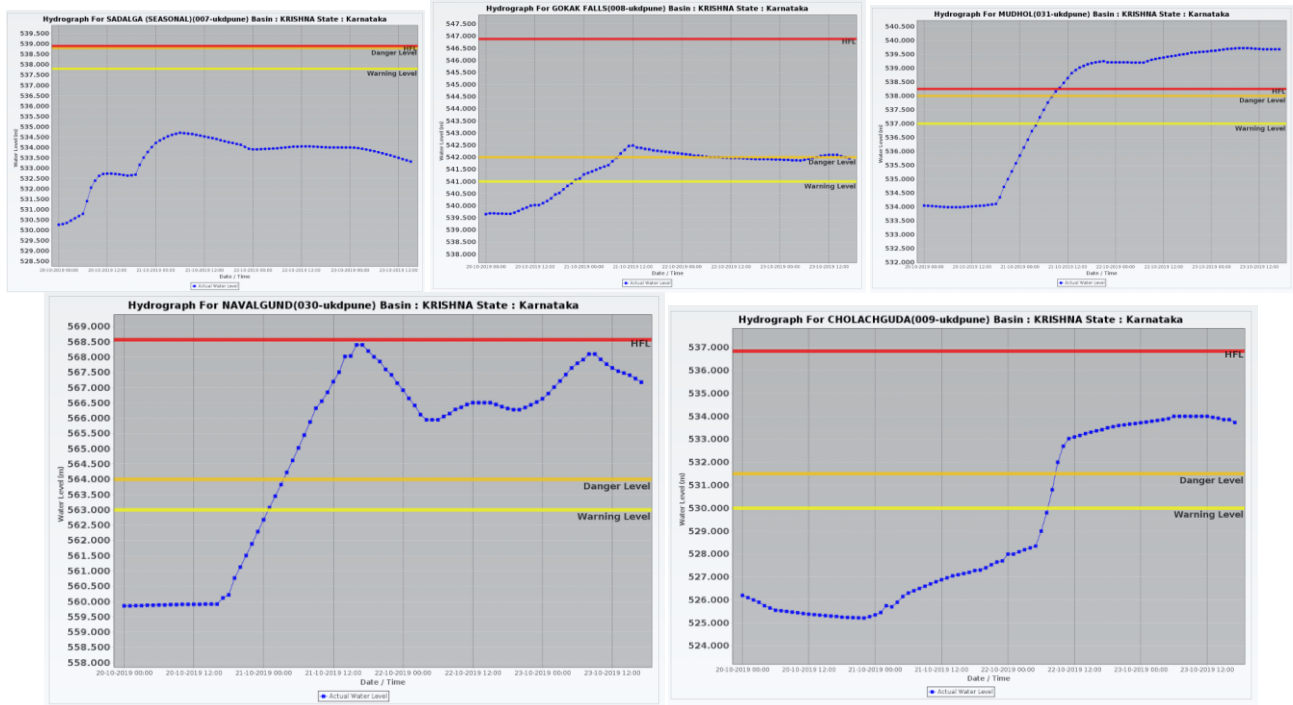
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The combined effect of Krishna, Dudhganga and Ghataprabha will be felt at Almatti Dam whose inflow is likely to be steady around 1.8 Lakh cusec by tomorrow morning. Additional flow from Benehalla and Malaprabha may increase the flow at Narayanpur Dam in Yadgir District to about 3.35 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 70,000 cusec to the flow at P D Jurala. P D Jurala project is expected to get around 4.06 Lakh cusec by tomorrow morning.

Due to rainfall occurred in Tungabhadra basin the inflows into Tungabhadra Dam is likely to be around 1.16 Lakh by tomorrow morning with falling trend. 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 312 m by tomorrow morning compared to Danger Level of 312.00 m. This will also add up to the inflows into Srisailem Dam. River Tungabhadra at Kurnool is also likely to flow near its Warning Level of 273 m by tomorrow morning.

The combined effect of all the above system is likely to be felt at Srisailem Dam for the next 2-3 days. Presently Srisailem is getting an instantaneous inflow of 4.35 Lakh cusec at 1700 hrs today. It is expected to rise to about 4.59 lakh by tomorrow morning. Srisailem Dam is having a cushion of about **1.41 TMC** only at 1700 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 3 days.**

All the other downstream dams namely, Nagarjunasagar, Dr KLRS Pulichintala Project are also having a combined flood cushion of only **3 TMC** by 1700 hrs today. **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 heavy rainfall in Kodagu, Hassan and Chikmagalur district for 48 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.

2.1.4 Other Basins

Due to the movement of Low Pressure Area towards North Coastal Andhra Pradesh, there is forecast of heavy to very heavy rainfall in Odisha, Chhattisgarh and Jharkhand on 24th and 25th October 2019. Due to this rainfall forecast, there are chances of rise of Water levels in rivers Nagavali, Vamsadhara in Srikakulam and Vizianagaram Districts respectively of Andhra Pradesh. Rivers Vamsadhara, Rushikulya in Gajapati, Rayagada and Ganjam Districts. River Indravathi at Nowrangpur District of Odisha and in Bastar District of Chhattisgarh is also likely to rise.

Flood Affected Districts:

Karnataka: Belagavi and Bagalkote (along rivers Krishna, Ghataprabha & Malaprabha) and Dharwad (along river Benehalla & Tungabhadra)

Flood Alerted District:

Karnataka: Along river Krishna in Vijayapura, Yadgir, Raichur, along river Tungabhadra in Shivamogga, Chikmagalur, Haveri, Ballari, Koppala, along river Bhima in Kalaburagi and Yadgir
Andhra Pradesh: Along river Tungabhadra in Kurnool and Krishna in Guntur and Krishna, Nagavali and Vamsadhara in Srikakulam and Vizianagaram
Telangana: Along river Krishna in Jogulamba Gadwal
Odisha: Along river Vamsadhara in Gajapati and Rayagada Along river Rushikulya in Ganjam District, River Indravathi in Nowrangpur District
Chhattisgarh: Indravathi in Bastar District