



GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
HYDROMET DIVISION
FLASH FLOOD GUIDANCE CELL



National Flash Flood Guidance Bulletin

DATED: 18.07.2021 TIME OF ISSUE: 1900 IST VALID TILL 2330 IST

From: India Meteorological Department, New Delhi (Email Id: sasiaffg.imd@gmail.com)

To: RMC's – New Delhi, Mumbai, Chennai; MC's - Goa, Bangalore, Trivandrum
Lucknow, Dehradun.

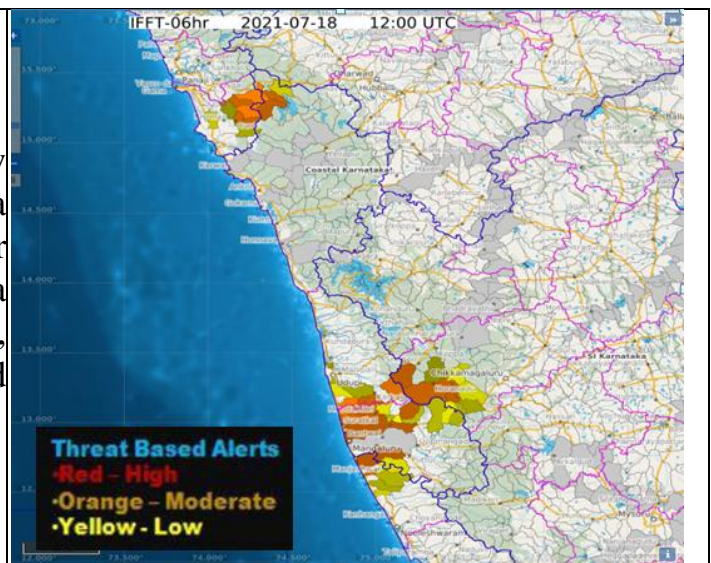
Area of Concern (AoC): Few watersheds & neighborhood of Konkan & Goa, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe, West Uttar Pradesh and Uttarakhand sub division.

Diagnostic Guidance: Based on Merged Mean Areal Precipitation of 1730 IST recorded rainfall is up to 70 mm in last 6 hours and up to 293 mm in last 24 hours over few watersheds of AoC, East Rajasthan and West Madhya Pradesh subdivision. Land Surface Model shows few fully saturated watersheds & few nearly saturated watersheds upto 85% over AoC and up to 55% soil saturation over remaining parts of the country.

Prognostic Guidance: Dynamic Global (GFS) & Mesoscale Model (WRF & NCUM) forecasts High rainfall up to 200 mm in next 24 hours.

Observed Flash Flood Threat (IFFT) till 1730 IST of 18.07.2021:

Moderate threat observed over few watersheds and neighborhood of South Goa District of Konkan & Goa subdivision; Uttara Kannada, Udupi and Dakshin Kannada districts of Coastal Karnataka; Chikmagalur, district of South Interior Karnataka; Kasargod district of Kerala & Mahe met subdivision.



Disclaimer: This is only a guidance bulletin and not a warning for flash floods.

Contact: WMO Regional Centre (SASIAFFGS),
Hydromet Division, Flash Flood Guidance Cell
Phone: 011-43824359/011-43824410
Email: sasiaffg.imd@gmail.com



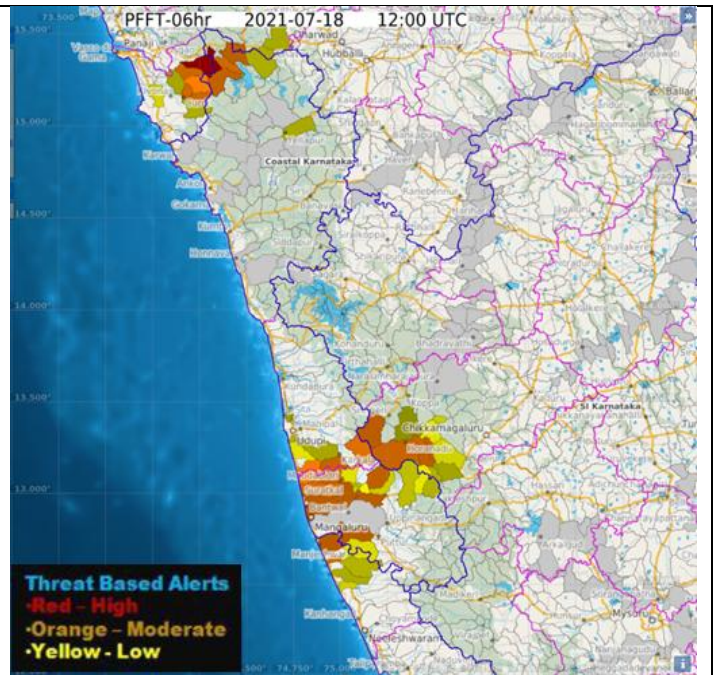
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**Persistent Flash Flood Threat (PFFT)
till 2330 IST of 18.07.2021:**

Moderate to High threat observed over few watersheds and neighborhood of South Goa District of Konkan & Goa subdivision; Uttar Kannada, Udupi and Dakshin Kannada districts of Coastal Karnataka; Chikmagalur, district of South Interior Karnataka; Kasargod district of Kerala & Mahe met subdivision.

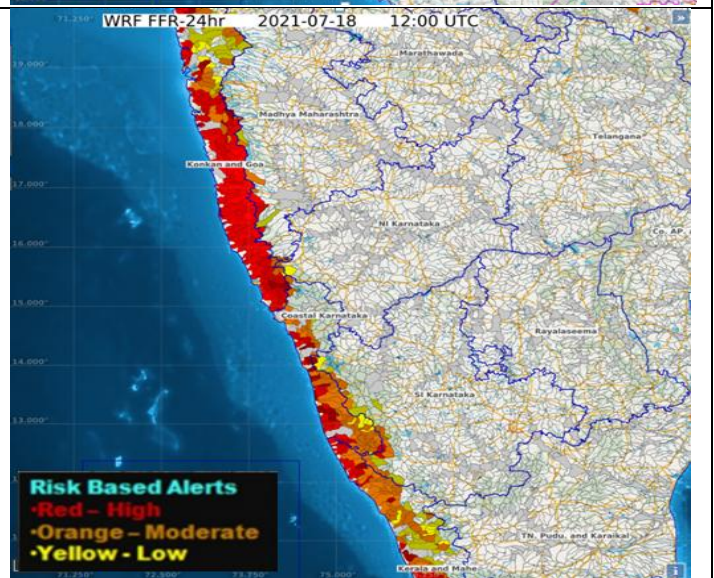
Surface runoff/Inundation may occur at some fully saturated watersheds & low-lying areas due to expected persistent rainfall in next 06 hours.



**24 hours Outlook for the Flash Flood Risk
till 1730 IST of 19.07.2021:**

Moderate to High Risk over many watersheds and neighborhood of **Konkan & Goa** and **Coastal Karnataka** met sub division.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to persistent rainfall in next 24 hours.



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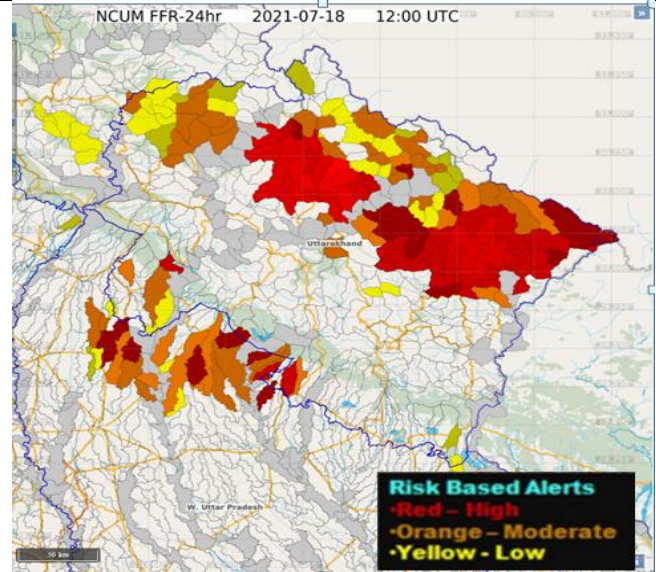
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24 hours Outlook for the Flash Flood Risk till 1730 IST of 19.07.2021:

Moderate Risk over many watersheds and neighborhood of **Uttarakhand** and **West Uttar Pradesh** met sub division.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to persistent rainfall in next 24 hours.



Note: Next Bulletin will be issued based on 0530 IST of 19.07.2021.

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