

## Heavy Rainfall Warning based on 0300 UTC of 15<sup>th</sup> September, 2024

**Gangetic West Bengal (including Kolkata):** Light to moderate rainfall at most places is very likely with **heavy to very heavy rainfall** at few places over Gangetic West Bengal and **extremely heavy rainfall** at isolated places over south Gangetic West Bengal on 15<sup>th</sup>; **heavy rainfall** at isolated places on 16<sup>th</sup> September.

**Sub-Himalayan West Bengal:** Light to moderate rainfall at most places is very likely with **heavy rainfall** at isolated places on 15<sup>th</sup> September.

**Odisha:** Light to moderate rainfall at most places is very likely with **heavy to very heavy rainfall** at a few places over Odisha and **extremely heavy rainfall** at isolated places over north Odisha on 15<sup>th</sup> and **heavy to very heavy rainfall** at isolated places on 16<sup>th</sup> September.

**Jharkhand:** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places and **extremely heavy rainfall** over south Jharkhand on 15<sup>th</sup> and **heavy to very heavy rainfall** at isolated places over Jharkhand 16<sup>th</sup> September.

**Bihar:** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places very likely on 15<sup>th</sup> & 16<sup>th</sup> and **heavy rainfall** at isolated places over Bihar 17<sup>th</sup> September.

**Chhattisgarh:** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places on 15<sup>th</sup> & 16<sup>th</sup> September and heavy rainfall at isolated places on 17<sup>th</sup> September.

**East Madhya Pradesh:** Light to moderate rainfall at most places with **heavy rainfall** at isolated places on 15<sup>th</sup>, **heavy to very heavy rainfall** at isolated places 16<sup>th</sup> & 17<sup>th</sup> September.

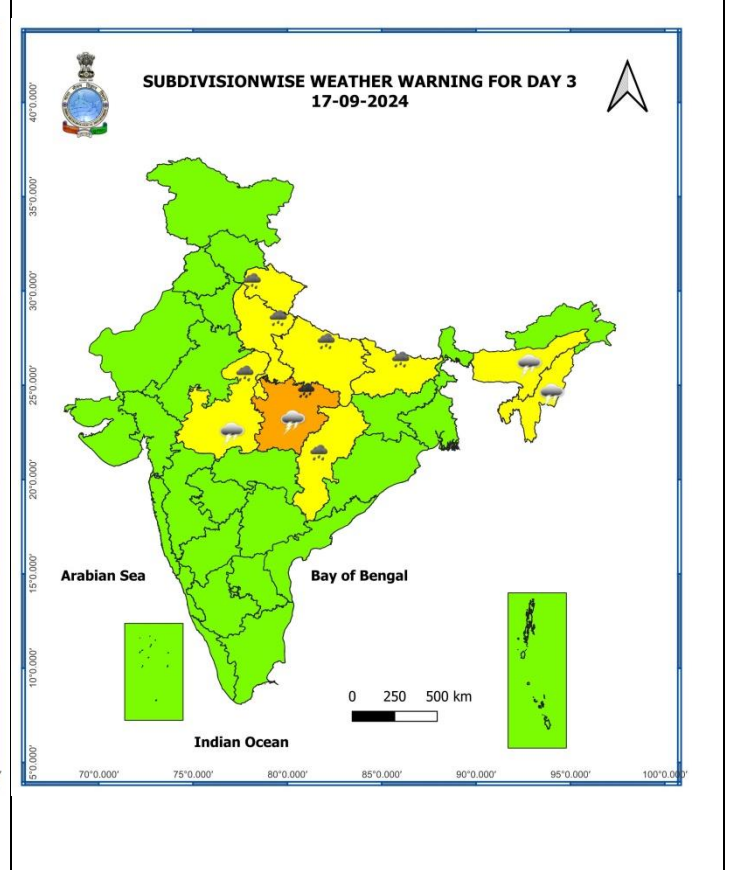
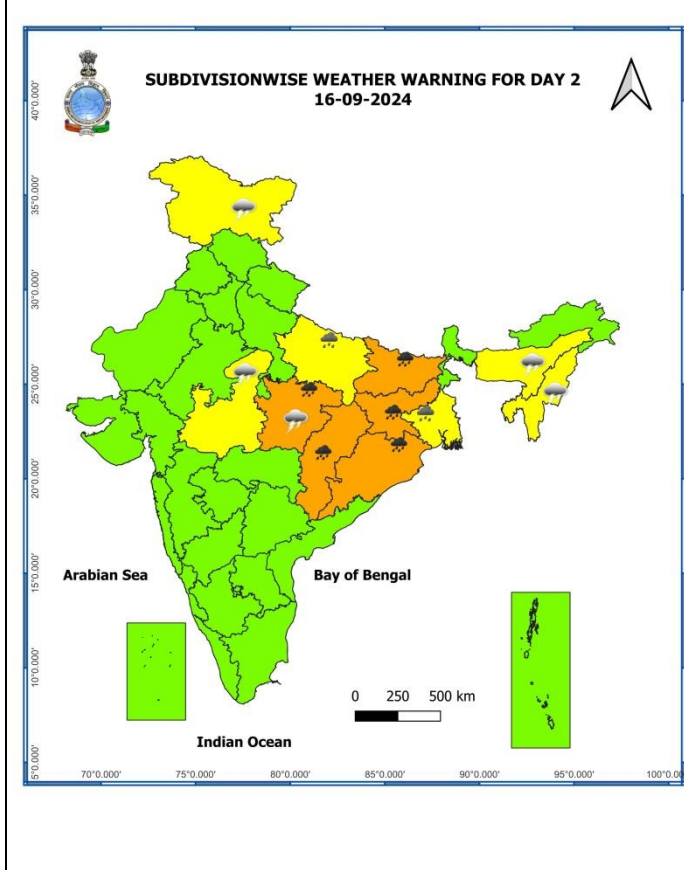
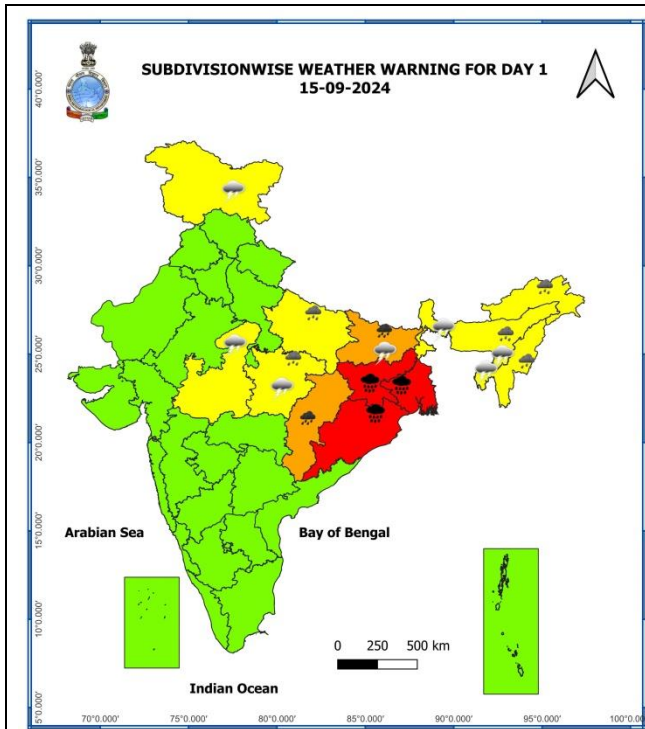
**West Madhya Pradesh:** Light to moderate rainfall at most places with **heavy rainfall** at isolated places on 17<sup>th</sup> & 18<sup>th</sup> September.

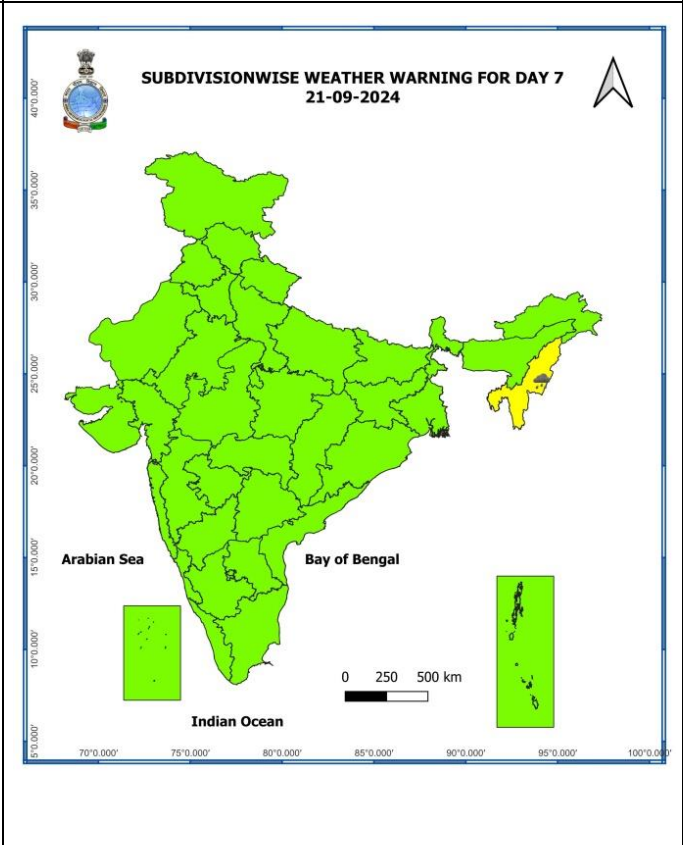
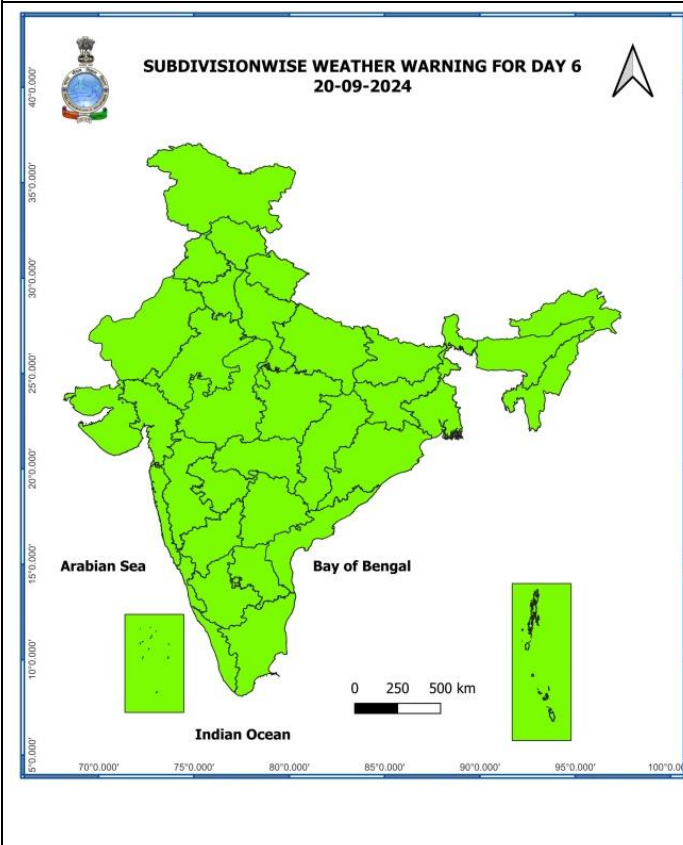
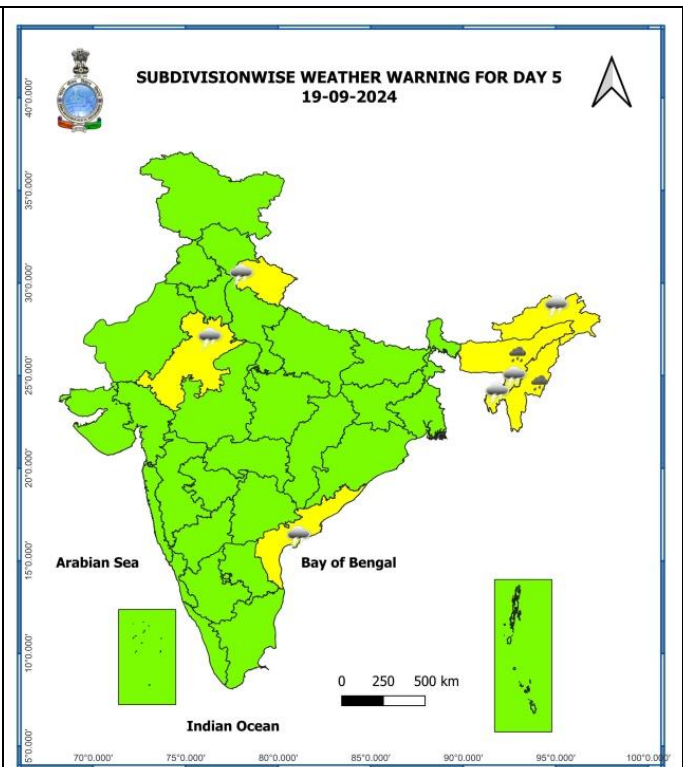
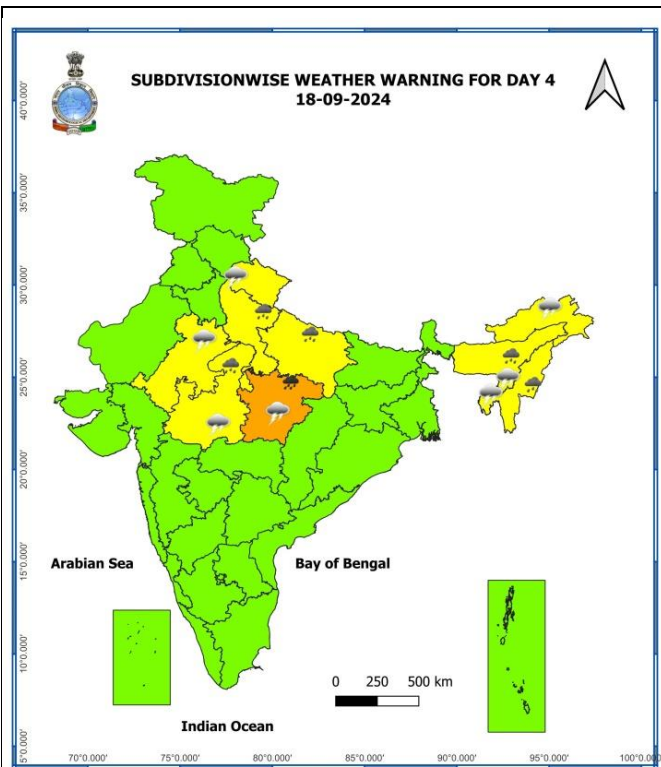
**East Uttar Pradesh:** Light to moderate rainfall at most places with **heavy rainfall** at isolated places on 16<sup>th</sup> & 17<sup>th</sup> September.

**Mizoram & Tripura:** Light to moderate rainfall at most places is very likely with isolated **heavy rainfall** during 15<sup>th</sup> -16<sup>th</sup> September.

**Assam & Meghalaya:** Light to moderate rainfall at many places is very likely with isolated **heavy rainfall** on 15<sup>th</sup> September.

# Weather Warning Graphics





- Action may be taken based on **ORANGE AND RED** COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases



## Flash Flood Guidance

### 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 16-09-2024:

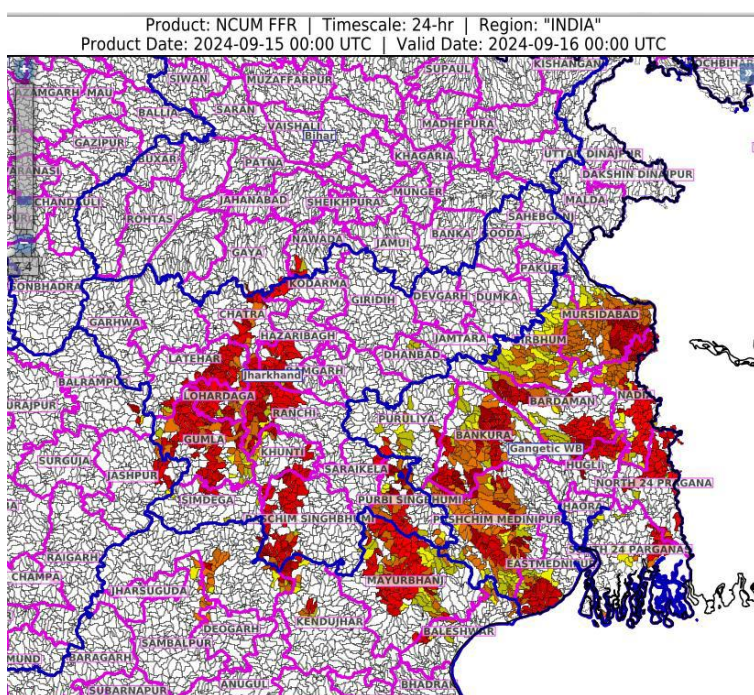
Low flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-division during next 24 hours.

**Odisha** - Balasore, Deogarh, Keonjhar, Mayurbhanj and Sundargarh districts.

**Gangetic West Bengal** - Bankura, Bardhaman, Birbhum, East & West Medinipur, Hoogly, Murshidabad, Nadia, North & South 24 Praganas and Purulia districts.

**Jharkhand** - Chatra, East Singhbhum, Gumla, Hazaribagh, Khunti, Koderma, Latehar, Lohardaga, Ramgarh, Ranchi, Saraikela, Simdega and West Singhbhum districts.

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



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