

India Meteorological Department

(Ministry of Earth Sciences)

NATIONAL BULLETIN NO.: 10 (BOB/04/2024)

TIME OF ISSUE: 0220 HOURS IST DATED: 10.09.2024

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Sub: Depression over interior Odisha

The deep depression over interior Odisha moved northwestwards with a speed of 15 kmph during past 6 hours, weakened into a depression over the same region and lay centered at 2330 hours IST of 9th September, 2024 near latitude 21.4°N and longitude 84.5°E, about 70 km southeast of Jharsuguda (Odisha), 60 km east of Sambalpur (Odisha), 250 km east-southeast of Bilaspur (Chhattisgarh) and 290 km east of Raipur (Chhattisgarh).

It is very likely to move west-northwestwards across north Chhattisgarh and weaken into a well marked low pressure area over Chhattisgarh and adjoining East Madhya Pradesh around evening of 10th September.

Forecast track and intensity are given in the following table:

Date/Time (IST)	Position (Lat. °N/ Long. °E)	Maximum Sustained Surface Wind Speed (Kmph)	Category Of Cyclonic Disturbance
09.09.24/2330	21.4/84.5	40-50 gusting to 60	Depression
10.09.24/0530	21.8/83.6	40-50 gusting to 60	Depression
10.09.24/1130	22.2/82.6	35-45 gusting to 55	Depression
10.09.24/1730	22.5/81.6	25-35 gusting to 45	Well Marked Low Pressure Area

Warnings:

(i) Rainfall warning

Chhattisgarh: Light to moderate rainfall at most places is likely with **heavy to very heavy rainfall** at a few places on 10th and **heavy rainfall** at isolated places on 11th September.

Vidarbha: Light to moderate rainfall at most places is likely with **heavy to very heavy rainfall** at a few places on 10th and heavy rainfall at isolated places on 11th September.

East Madhya Pradesh: Light to moderate rainfall at most places is very likely with **heavy to very heavy rainfall** at a few places with **extremely heavy falls** at isolated places on 10th and **heavy to very heavy rainfall** on 11th September.

West Madhya Pradesh: Light to moderate rainfall at many places is likely with heavy to very heavy rainfall at isolated places on10th & 11th September.

South Uttar Pradesh: Light to moderate rainfall at many places is likely with **heavy to very heavy** rainfall at isolated places on 10th & 11th September.

Odisha: Light to moderate rainfall at most places is very likely with **heavy rainfall** at isolated places over interior Odisha on 10th September.

Jharkhand: Light to moderate rainfall at most places is very likely with **heavy rainfall** at isolated places over South Jharkhand on 10th September.

(ii) Wind warning

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely over interior districts of Odisha and adjoining Chhattisgarh on 10th September. It will decrease gradually thereafter.

(iii) Flash Flood Guidance: (Graphics Attached)

24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 10-09-2024 :

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

Vidarbha –Bhandara, Gadchiroli, Gondiya and Nagpur

Moderate to High flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Chhattisgarh - Rajnandgaon, Bastar, Bijapur, Baloda Bazar, Bilaspur, Dantewara, Dhamtari, Gariaband, Janjgir, Champa, Kanker, Kondagaon, Mungeli, Narayanpur, Raigarh, Korba, Jashpur Korea and Sukma districts.

Odisha – Jharsuguda, Baragarh, Sambhalpur, and Koraput districts.

East Madhya Pradesh -Anuppur, Balaghat, Chhindwara, , Damoh, Dindori, Jabalpur, Katni, Mandla, , Narshimapura, Niwari, Rewa, Sagar, Shahdol, Sidhi, Singrauli, and Umaria districts. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern as shown in map due to expected rainfall occurrence in next 24 hours.

(iv) Impact Expected (Chhattisgarh, Madhya Pradesh, Vidarbha, south Uttar Pradesh, interior Odisha and south Jharkhand due to heavy rainfall and squally wind)

- ✓ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ✓ Occasional reduction in visibility due to heavy rainfall.
- ✓ Reduction of visibility over sea and adjoining coastal areas due to sea spray induced by strong wind and heavy rainfall.
- ✓ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ✓ Minor damage to kutcha roads.
- ✓ Possibilities of damage to vulnerable structure.
- ✓ Localized Landslides/Mudslides/landslips/mud slips/land sinks/mud sinks.
- ✓ Damage to horticulture and standing crops in some areas due to inundation.
- ✓ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

(v) Action Suggested (Odisha, Chhattisgarh, Madhya Pradesh, Vidarbha, south Uttar Pradesh and Jharkhand due to heavy rainfall)

- ✓ Judicious regulation of surface transports including railways and roadways.
- ✓ Check for traffic congestion on your route before leaving for your destination.
- ✓ Follow any traffic advisories that are issued in this regard.
- ✓ Avoid going to areas that face the water logging problems often.
- ✓ Avoid staying in vulnerable structure.

(vi) Agromet advisories for Heavy Rainfall likely over various parts of the country

- ✓ Provide mechanical support to horticultural crops & staking to vegetables.
- ✓ Keep the harvested produce at safer place.

The next bulletin will be issued at 0830 hrs IST of 10th September, 2024.

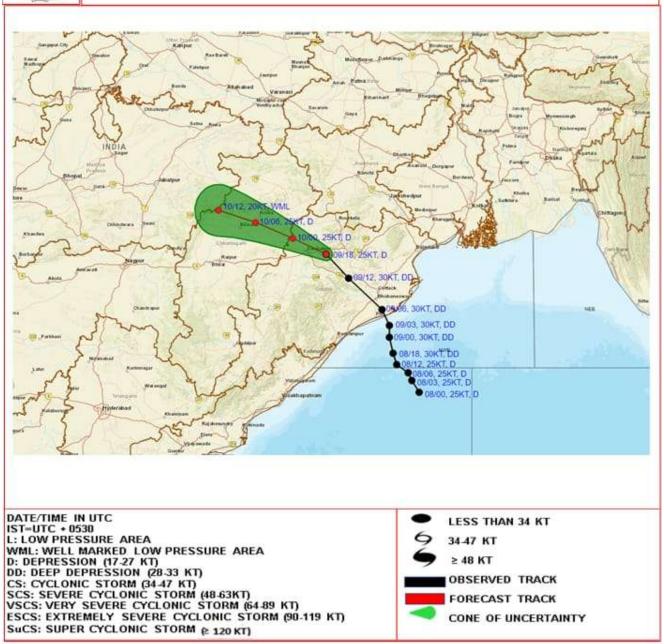
(Dr. Shashi Kant) Scientist- D, RSMC, New Delhi

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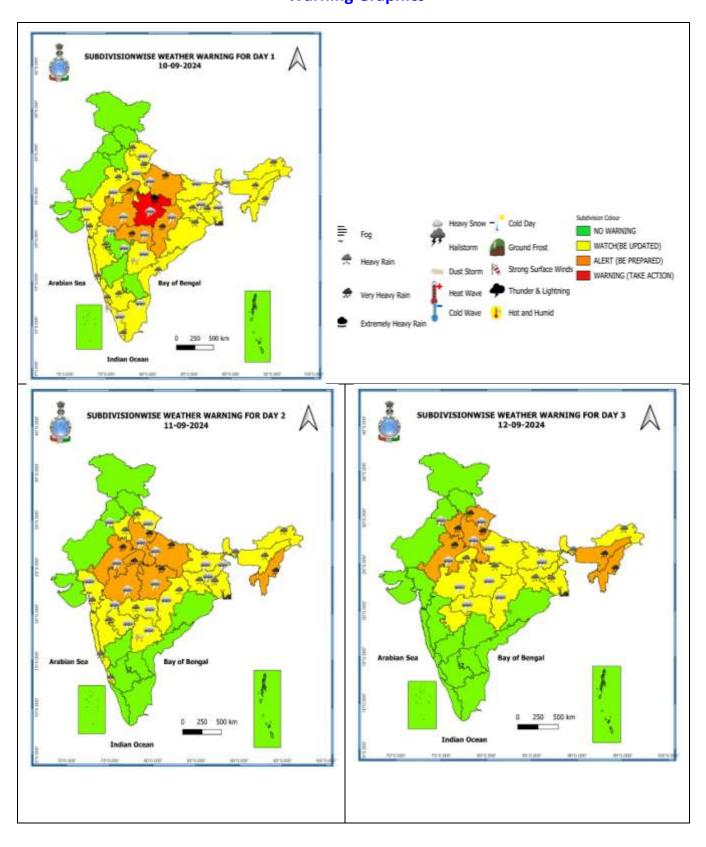
IMD, DELHI

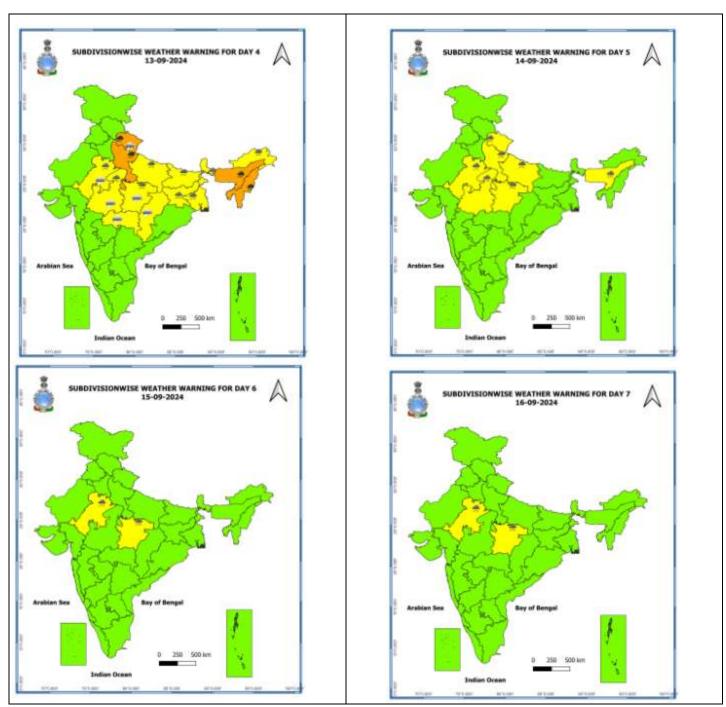


OBSERVED AND FORECAST TRACK OF DEPRESSION OVER INTERIOR ODISHA BASED ON 1800 UTC (2330 IST) OF 9th SEPTEMBER, 2024.



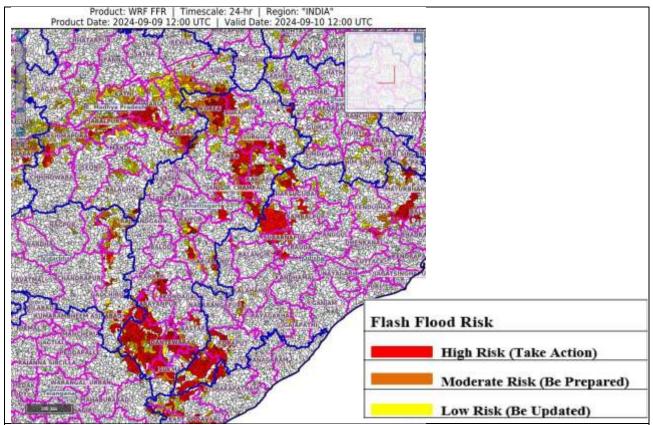
Warning Graphics





- 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.

Falsh Flood Guidance



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Odisha – Jharsuguda, Baragarh, Sambhalpur, and Koraput districts.

East Madhya Pradesh -Anuppur, Balaghat, Chhindwara, , Damoh, Dindori, Jabalpur, Katni, Mandla, , Narshimapura, Niwari, Rewa, Sagar, Shahdol, Sidhi, Singrauli, and Umaria districts.

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