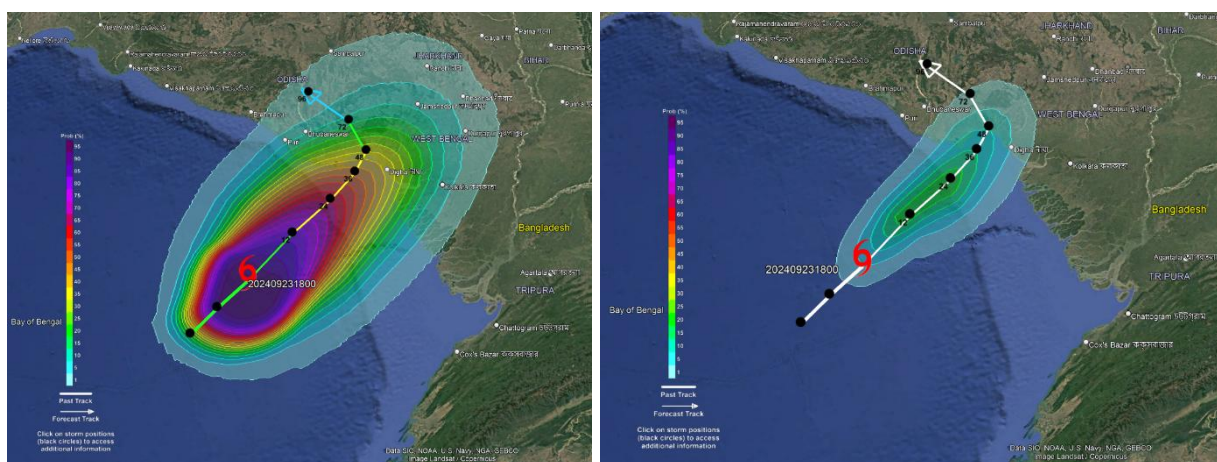


## Forecast Probabilities for TS+ and Cat 1+ Strength Winds

High-accuracy, high-frequency and high-resolution forecasts of the probability of being struck by Tropical Storm-strength (39+ mph) or Category 1-strength (74+ mph) winds. This dataset is critical when assessing the timing, location and risk of potential business impact, and provides reliable information for decision-makers to steer effective pre-event planning. A static, low-resolution version of this interactive dataset can be found on TSR's public site.



*Forecast Footprints of Cyclone Dana (23<sup>rd</sup> October 2024, 18:00), modelled by advisories from the Joint Typhoon Warning Center. **Left** – Up to 50% chance of Tropical Storm force winds (39+ mph) making landfall. **Right** - 5-10% chance of Cat 1+ winds (74+ mph).*

- Maps the current likelihood of a given location being struck by tropical storm strength (39+mph) or hurricane (74+mph) one-minute sustained winds at 0, 12, 24, 36, 48, 72, 96, and 120-hour lead times.
- User-friendly display with probability contours colour-coded in 5% increments from 1% to 100%. Allows users to see another view of the same storm, in terms of their proximity to risk, rather than exact wind speeds.
- Includes storm current position and intensity, storm past and forecast tracks, and lead times along the storm forecast track.
- Advisories and error margins are from NHC and JTWC advisories only.
- Data available for historical events back to February 2008.