



The Madden Julian Oscillation (MJO) index is currently in Phase 7 with amplitude close to 1. It is likely to move into Phase 8 during the first half of week 1 with gradual increase in amplitude and then into Phase 1 with amplitude greater than 1 towards the later part of week 2. Hence the MJO will not support convection over the Indian Seas (Bay of Bengal & Arabian Sea) during weeks 1 & 2.

Most of the numerical models including IMD GFS, GEFS, ECMWF, NCEP GFS, NEPS, and CGEPS (MME), NCUM & NEPS are not indicating any cyclogenesis during the forecast period. The Genesis Potential Parameter (GPP) based on IMD GFS is not indicating any potential zone for cyclogenesis over the north Indian Ocean during the forecast period.

Considering all the above, it may be concluded that no cyclogenesis is predicted over the north Indian Ocean during next two weeks.

#### Verification of forecast issued during last two weeks:

The forecast issued on 18<sup>th</sup> February for week 2 and the forecast issued on 26<sup>th</sup> February for week 1 for the period (19.02.2021-04.03.2021) indicated no cyclogenesis over the north Indian Ocean during the period. No cyclogenesis occurred during the period which could be correctly predicted 2 weeks in advance.

**Next update: 11.03.2021**