



The Madden Julian Oscillation (MJO) index is currently in Phase 6 with amplitude more than 1. It is likely to propagate eastwards and enter Phase 7 with amplitude more than 1, from the beginning of week 1 and remain there during weeks 1 & 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 21<sup>st</sup> January for week 2 as well as the forecast issued on 28<sup>th</sup> January for week 1, for the period (29.01.2021-04.02.2021) indicated no cyclogenesis over the north Indian Ocean during the period. No cyclogenesis occurred during the period, which could be predicted correctly 2 weeks in advance.

**Next update: 11.02.2021**