



The Madden Julian Oscillation (MJO) index lies currently in phase 7 with amplitude more than 1. It will continue in same phase till the beginning of week 2 and then will move into phase 8 with amplitude more than 1 and remain there till the end of week 2 maintaining the amplitude. Thus, the phase of MJO will not support enhancement of convective activity over North Indian Ocean.

Most of the numerical models including IMD GFS, GEFS, ECMWF, NCEP GFS, NEPS, NCUM & NEPS are not indicating any cyclogenesis during their respective forecast period. CGEPS (MME) indicates a probability of 40-50 % over south Andaman Sea and adjoining southeast Bay of Bengal during week 1 (specifically during 17 – 20 April). 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 01st April for week 2 and the forecast issued on 08th April for week 1 for the period (09.04.2021-15.04.2021) indicated no cyclogenesis probability. No Low pressure system developed over north Indian Ocean during this period, which could be correctly predicted two weeks in advance.