



The Madden Julian Oscillation (MJO) index lies currently in Phase 2 with amplitude more than 1. It will continue in same phase with slight eastward propagation during the entire forecast period with amplitude more than 1. Thus, the phase of MJO will support enhancement of convective activity over Arabian Sea (AS) during weeks 1 and 2.

Most of the numerical models including IMD GFS, NCEP GFS, GEFS, ECMWF, NEPS, NCUM are not indicating any cyclogenesis over the region during the period. IITM CFS is also not predicting any Cyclogenesis during weeks 1 & 2. IMD GPP is not indicating any probability of cyclogenesis over the region during week 1.

Considering all the above, there is no probability of cyclogenesis over the north Indian Ocean during the period.

Verification of forecast issued during last two weeks:

The forecast issued on 2nd July for week 2 (10.07.2020-16.07.2020), predicted low probability of cyclogenesis over the northeast AS off Gujarat coast during latter half of week 1 to first half of week 2 and the forecast issued on 9th July for week 1 (10.07.2020-16.07.2020) did not predict any cyclogenesis during the period.

A low pressure area formed over coastal Saurashtra & neighbourhood on 5th July and became less marked on 12th July over south Pakistan & neighbourhood.

Next update: 23.07.2020