



The Madden Julian Oscillation (MJO) index lies currently in Phase 2 with amplitude more than 1. It is likely to remain in Phase 2 with gradual eastward propagation during week 1 and enter into Phases 3 & 4 with decreasing amplitude (less than 1) during week 2. Thus, the phase of MJO will support enhancement of convective activity over the north Indian Ocean during weeks 1 and 2.

Most of the numerical models including IMD GFS, NCEP GFS, GEFS, ECMWF, NEPS, NCUM and IMD GFS based GPP are not indicating any cyclogenesis over the region during week 1. NCEP GFS and IMD GFS are indicating formation of a low pressure area over west-central and adjoining northwest Bay of Bengal off north Andhra Pradesh – south Odisha coasts towards the later part of week-2 and its likely intensification at the end of week 2.

Considering the above, there is low probability of cyclogenesis (formation of a Depression) over west-central and adjoining northwest Bay of Bengal off north Andhra Pradesh – south Odisha coasts towards the end of week-2

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

The forecast issued on 9<sup>th</sup> July for week 2 (17.07.2020-23.07.2020) and the forecast issued on 16<sup>th</sup> July for week 1 (17.07.2020-23.07.2020) did not predict any cyclogenesis during the period.

No low pressure system developed over the north Indian Ocean during the period and thus the non-occurrence of cyclogenesis was correctly predicted 2 weeks in advance.

**Next update: 30.07.2020**