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Assessment of genetic variability and divergence in Indian mustard (*B. juncea* L.)

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ABSTRACT : Thirty one genotypes of Indian mustard were evaluated to assess the genetic variability and genetic diversity. All characters showed the significant mean sum of squire except harvest index. All the 31 genotypes were grouped in to 6 clusters. Cluster V had twelve genotypes, while cluster II- IV each had a single genotype. Distribution pattern of all the genotypes in to various clusters showed the presence of considerable genetic divergence among the genotypes for most of the traits studied. The maximum inter cluster distance were found between cluster IV and cluster VI, while it was minimum in the cluster VI. Days to maturity and siliqua per branch, biological yield per plot, plant height, secondary branches per plant contributed maximum to the total genetic divergence.

Key Words : *Brassica juncea*, genetic divergence.