1 Stability of conflexes Octahedral complexes are more stable & favourable than Tetrahedral complexes. It is because. (1) In On complexes, there are 6 long energy terms involved, while in Td complexes, there are 4 bond energy terms (i) Larger CFSE is associated with On complexes than Td complexes E=420 · Tetrahedral complexes are favoured: (i) When there are large & brilly figureds which could cause overcrowding in On complexes. (ii) When there is attainment of regular frymmetric configuration Eg - d, d, d, d, These orbitals are to 280 e are either half / fully filled making them stable. Example of Complexes: 7 Tilly 2 MnOy Titt:-3d° Mn+7;-3d° Stable configurations



