

Which of the following factors tends to increase the stability of metal ion complexes

- (A) Higher ionic radius of the metal ion
- (B) Higher charge/size ratio of the metal ion
- (C) Lower ionisation potential of the metal ion
- (D) Lower basicity of the ligand

Ans : B .

Reason : The smaller the size the better is the bonding between the ligand and metal

If the size is large the metal gets bonded loosely and as the result it becomes weak .