ABSTRACT

The present work seeks to research the unstable behaviour of a typical standard moment resisting
framed structure with composite columns and standard Steel columns and examine the key style problems involved. The current study deals with unstable behaviour of a typical (G+12) storied framed structure assessed through equivalent static technique of study as per IS: 1893-2002 for moderate unstable zone III exploitation ETABS software package. The analyses square measure performed on a collection of two forms of standard moment resisting framed 3D area
models with totally different column varieties – Steel, and CFST. The analysis is dispensed and therefore the results square measure compared in terms of important earthquake response parameters like base shear, floor drifts, roof displacements, and storey overturning moments.

Keywords: unstable behaviour, composite columns and steel columns, Multi-storey structure.