

6.4 Summary

Rolled beams and plate girders are important structural members. In this presentation, the limit state method of design of beams as per the IS: 800 revisions have been explained. Laterally supported and unsupported beams have been considered. The phenomenon of lateral torsional buckling has been explained. Shear yielding and shear buckling have been treated. Design of various types of stiffeners for plate girders is explained.

