

Glossary

1. **Ring beams**-The most important horizontal reinforcing is through reinforced concrete bands provided continuously through all load bearing longitudinal and transverse walls at plinth, lintel, and roof-eave levels, also at top of gables.
2. **Lintel Band**- This band incorporates in itself all door and window lintels the reinforcement of which should be extra to the lintel band steel.
3. **Inertia Forces**-An inertial force is a force that resists a change in velocity of an object. It is equal to—and in the opposite direction of—an applied force, as well as a resistive force.
4. **Ductility**-Ductility refers to the ratio of the displacement just prior to ultimate displacement or collapse to the displacement at first damage or yield. Some materials are inherently ductile, such as steel, wrought iron and wood.
5. **Deformability**-Deformability is a less formal term referring to the ability of a structure to displace or deform substantial amounts without collapsing.
6. **Damageability**- Damageability is also a desirable quality for construction, and refers to the ability of a structure to undergo substantial damages, without partial or total collapse. A key to good damageability is redundancy, or provision of several supports for key structural members, such as ridge beams, and avoidance of central columns or walls supporting excessively large portions of a building.