

Site for Railway Station Railway Engineering Notes

A **railway station** is defined as any **place on a railway line** where traffic is booked and dealt with and where an authority to proceed is given to the trains. Following factors should be considered while selecting a site for a railway station:

1. Drainage

The proposed site should be on a fairly leveled ground and it should be well drained.

2. Water Supply

There should be plentiful supply for water at the site of station.

3. Future Allowances

There should be sufficient land available for the purpose of future extensions along both sides

4. Gradient

The site should be such that permissible maximum gradients can be obtained without much difficulty. The vehicles may start moving with wind which is very hazardous.

5. Location or Horizontal Alignment

The location of station yards should be such that it is neither located near a curve nor on a curve.

6. Vertical Alignment

The train should not be situated in a sag but it should be on a summit.

7. Accessibility

The station yards should be such that it is easily accessible from city or town. There should be well developed and efficient transportation system which leads the people and their goods to station with much ease.

8. Visibility

The environment around the site selected for a station should be such that there exists clear and improved visibility for the drivers of trains. There should be certain enough arrangements made which improvements made which improves the visibility of a station.

9. Facilities

The site selected for the station should be such that for the passengers of trains, machinery works, garages, workshops etc.