

## 20 Site Selection Criteria of Sanitary Landfill & -

→ Landfill site for solid waste should be selected on following.

⇒ Land area and volume should be sufficient enough, to provide landfill capacity so that the projected need can be fulfilled for several years.

→ In this way the cost economical that procedure can be justified.



The landfill site should not be at location where suitable buffer zone between landfill site and population are not available.

Public & private irrigation water supply wells should be well away from the boundary of landfill site because these supply wells will be at risk of contamination.

Landfill area should not be very close to significant water bodies.

There will be the risk of contamination of water bodies, which can be hazardous for aquatic life.

Major power transmission or other infrastructure like sewer, water supply lines should be crossing through landfill development area.



→ No residential development should be near the boundaries of landfill site. The waste disposal site must be very away from residential or commercial areas and water resources.

→ There should not be fault lines and significantly fractured geological structure.

→ The fault lines can allow the unpredictable movement of gas within. Substrate of permeability of mapped landfill development.

→ Selection of landfill site should be based upon examination of environmental issues.

→ The landfill site should be near the waste recycling facility otherwise, the waste recycling facility should be planned as integral part of landfill site.