

AIRPORT PLANNING

Site selection

The location of an airport will be influenced by the following factors.

- Type of development of the surrounding area.
- Atmospheric conditions.
- Accessibility of ground/land transport.
- Availability of land for expansion.
- Presence of other airport in several areas.
- Surrounding obstructions.
- Economy of the construction.
- Availability of utilities.

BASIC PLANNING FACTORS

- 1) Passenger processing
- 2) Baggage handling

The following are the principal considerations in terminal planning:

- Proximity of land transport access, particularly car parking to the terminal.
- Early separation of the passenger from his baggage.
- Short walking distances for the passenger from check-in to the aircraft access and from aircrafts to leaving the terminals.
- Direct and simple routing for passenger movement with minimal directional and level changes.
- Reliable and accessible baggage handling systems with adequate airside handling areas.
- Disposition of management, airline and control units to allow maximum effective use of staff.

- Provision of amenities for passengers that will satisfy varied needs in appropriate locations as well as contribute to airport revenues.
- Facilities for invalid, infirm, handicapped and very young passengers.
- Ability to expand capacity and modify existing facilities with minimal disruption-airports does not close down.