

Unit 6.2 Airport

AIRPORT TERMINOLOGY

Following are some of the important terms related to airport engineering:

Aerodrome

A defined area of land or water which is intended to be used for the arrival, departure and movements of aircrafts.

It may be provided with the facilities for shelter and repair of aircraft and for processing of passengers, baggage, mail and cargo. It may not necessarily be used for all scheduled air flights. Sometimes the term aerodrome is used to mean an airport.

Aeroplane

An aeroplane is a power-driven heavier-than-air flying machine with fixed wings. It derives its lift in atmosphere chiefly from the aerodynamic reactions on its surfaces.

Airport

It is an area of land or water which is to be regularly used for landing and take-off of aircrafts. It is provided with facilities for shelter and repair of aircrafts in addition to the other normal facilities for passengers and cargo.

Cargo

The term cargo is used to indicate the freight, other than passengers, baggage and mail, which is carried by a transport aircraft.

Hangar

Large shed erected at the airport for the purpose of servicing and repairing of aircrafts.

Runway

It is defined as a long and comparatively narrow strip of land which is selected or prepared for: the landing and take-off of aircraft along its length. It is usually paved except for small aerodromes.

Taxiway

The strip of pavement connecting the apron to the hangar as well as runway ends to the Aprons.

Apron

Area of the airport to accommodate aircrafts for loading and unloading of cargo and passenger, parking and refuelling.

Terminal Building

These building which are meant for providing facilities to all passengers, for serving as office for airport management and for carrying out other non-aeronautical functions

Wind rose

The wind data are presented in the form of a chart known as Wind Rose. It is prepared on the basis of records of observation of wind velocity and direction over a number of years. Its shape resembles a rose.