

## **Laying of Foundation bed Concrete - Additional Reading Material**

**Foundation:** It is the lowest part of a building, constructed below the ground level to transfer loads to the soil. It is a part of the substructure (Foundation = PCC + footing).

**Substructure:** Portion of the building that sits below the ground Level.

**Super Structure:** Part of the building constructed above the ground level.

**Plinth level:** level where superstructure and substructure meet.

The plinth level can be understood as the level that lies between the natural ground level and the finished floor level of the building.

**Ground level:** It is the natural level of ground.

**Load bearing structures:**

A load bearing structure is a building structure where the load is moved vertically downwards through the walls to the foundation.

Load bearing structures are generally built on a Strip foundation. Strip foundation or wall foundation is a type of shallow foundation often used within low to medium-rise residential buildings.

They provide excellent strength and durability to the house.

They are suitable for construction of low rise buildings. Materials for construction of load bearing houses are often readily available and affordable .

**Purpose of Laying foundation bed concrete:**

A plain cement concrete (PCC) has to be laid on foundation soil. This provides a plain hard surface upon which the masonry work for wall footings can be started directly.

It not only rectifies the inequalities of excavation but also bridges over the soft patches in the soil below.