

CLASSIFICATION OF SURVEYING :

- Based of nature of Earth —
 - Geodetic survey
 - Plane survey
- Based of techniques of survey —
 - Triangulation
 - Traverse
 - Levelling
- Based of Landuse survey —
 - Land survey
 - Hydrographical survey
 - Astronomical survey

- Based of instruments survey —
 - chain survey
 - plane Table survey
 - compass survey
 - Level survey
 - A.P.S survey
 - theodolite survey

DUMPY LEVEL

INTRODUCTION: of the leveling instrument- it is the most simple compact and stable. The leveling head consists of a tribrach with three arms which carry a foot and leveling screw. A level vane is supported from the spindle which are attached to the central hollow of the tribrach. The rating of the longitudinal screw telescope carried on the level vane. Focussing screw, eyepiece knob and object glass on the body two level tubes are fixed in perpendicularity.

DETERMINATION OF REDUCED BY DUMPY LEVEL: The reduced level of the station can be collected in either of two common methods collimation method and the rise and fall method. The collimation method in this level evaluated sub-tranching method in this the staff reading from the corresponding height of collimation.

RISE AND FALL METHOD: In this method difference in level between consecutive points are determined by comparing each point with the immediately preceding it. It is entered as a rise or as a fall according as the staff reading of the points is smaller or greater than at the preceding point. A complete arithmetical check can be applied on the accuracy calculation.