



#### **Purpose :**

These test methods are used to estimate the bearing Capacity of in-situ soil under field loading conditions for a Specific loading plate and depth of embedment. Test methods are also used for load tests of soil and flexible pavement Components for use in evaluation and design of airport and Highway pavements

#### **Brief Construction Details :**

The entire plate bearing test assembly consist of following parts and accessories :

- Hand operated Hydraulic jack with pressure gauge capacity 50 tone with 5 meter long metal tube with end coupling - 1 No
- Ball and Socket arrangement, consisting of two steel plate with one steel ball in between them - 1 Set
- Extension rod, 12 mm diameter x 25 mm long for taking dial gauge reading - 16 Nos
- Magnetic base with male thread on top for holding extension rod - 4 No
- Column 15 cm diameter x 50 cm long with flanges complete with four bolts and nuts - 1 No
- Column 15 cm diameter and 50 cm long with flanges complete with 4 bolts & nuts - 1 No
- Datum bar, light weight, portable, total span 5 meter, height approx 30cms mounted on two removable legs, made of 2 parts - 1 No
- Dial gauge 0.01mm x 25mm travel - 4 No
- Grooved M.S. Plate 30cm x 30cm x 25mm thick - 1 No
- Grooved M.S. Plate 45cm x 45cm x 25mm thick - 1 No
- Grooved M.S. Plate 60cm x 60cm x 25mm thick - 1 No

**Weight (kg) : 365 Kg**

Note: Specifications are subject to change.