

APPARATUS

- 1. Constant Head Permeameter, modified CBR mold with specially adapted top and bottom plates and rubber sealing rings to prevent leakage?
- 2. Constant Head Tank ?
- 3. Specimen Compaction Equipment, meets requirements of Test Method LS-706?
- 4. Vacuum Pump (or water faucet aspirator).....
- 5. **Miscellaneous Apparatus, balances , ovens , containes etc...?**

PREPARATION OF TEST SPECIMENS

- 1. Sample prepared to optimum moisture and compacted *to maximum density* in permeameter?
- 2. Initial measurements (D-diameter, L-distance between outlets, H-height) taken?
- 3. Permeameter and sample correctly assembled (including filter papers)?
- 4. Specimen properly irrigated?
- 5. Specimen properly de-aired using vacuum?

PROCEDURE

- 1. Water flow established to constant head cylinder and then permeameter?
- 2. Stable head condition established?.....
- 3. Quantity of water measured for required time?.....
- 4. Head modified to establish required hydraulic gradient?
- 5. Tests run at different hydraulic gradients to ensure testing at laminar flow?
- 6. After test, water is drained, mold and sample removed and CBR testing done, if required?.....
- 7. **Water content taken before sample discarded?**
- 8. Sample inspected for streaks, layers or evidence of segregation of fines?.....
- 9. Calculations performed per section 8?
- 10. Results reported per section 9?

Comments: