

DELHI DEVELOPMENT AUTHORITY
(EM's Secretariat)

No. EM.1(10)/83/12587

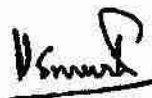
August 1, 1990

CIRCULAR NO.298

Before taking up execution of any work at a particular site, the first and foremost exercise which the engineers have to get carried out is the soil investigation. In some of the cases, it has been observed that the process of soil investigation had been taken very lightly, thus resulting into defects of serious nature in the buildings at a later date. While getting soil investigation carried out for a particular site the following points must be taken care of by the concerned field staff:-

1. The soil investigation must invariably be assigned to some reputed soil consultant only *it is not done departmentally*
2. The soil investigation must be got carried out for adequate number of bore holes and for sufficient depth as prescribed under the IS Code. The bore holes should be fairly well distributed in the entire area of the pocket and together with the DCP test, should fairly represent the entire pocket so that all blocks are covered.
3. The soil investigation report must contain the classification of soil met with so as to understand the properties of the soil like plasticity, compressibility etc.
4. The agreement entered with the soil consultants, must specify the tests to be done and the data to be collected. The field units must act in coordination with the consultant in deciding the number and location of bore holes and DCP test.
5. The field units must be in a position to inform the details like ground water table level etc.
6. Alongwith soil investigation report, which is submitted to the Design Units for obtaining foundation design of the building, a complete site data must be furnished by the Field Units like details of the earth filling done and their locations etc.
7. After receipt of approval of structural design, during the execution of the work of the foundation, the engineers of the Design Unit concerned must invariably be associated and brought to site to ensure that the execution of the foundation is being carried out as per observations recorded on the foundation drawings and as per approval given by Design Unit.

8. Due to site conditions, in case there is a need to change the location of a particular block at some new place, the soil investigation for that new site must invariably be got carried out details submitted to Design Office and design obtained accordingly.
9. The Executive Engineer at site must ensure good quality and ensure foundation decisions seeing the soil condition and the design parameters stipulated in the foundation drawings.


(V.S. Murti)
Engineer Member
30.7.90

Copy to:

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