Before start of any work. The contractor needs to execute comprehensive Soil Investigation at following buildings with minimum scope of work as follows.

Office Area (Administration Building) 3 Bores x 10.0m

Auditorium Area Building 1 Bore x 30.0m + 2 Bores x 15.0m

Staff Quarters 2 Bores x 10.0m

In all boreholes Standard Penetration Test (SPTs) will be executed at a maximum interval of 1.50m. Disturbed and Undisturbed samples shall be collected and following Laboratory Tests should be performed.

1. Grain Size Analysis
2. Atterberg Limits
3. Hydrometer Analysis
4. Density
5. Natural Moisture Content
6. Direct Shear Test
7. Unconfined Compression for Soil & Rock
8. Chloride Content of Soil
9. Sulphate Content of Soil
10. Chemical Analysis of Water (Sulphate, Chloride, TDS & pH)

A comprehensive geotechnical report with bearing capacity recommendation will be presented. All work shall be executed by an approved geotechnical consultant company properly authorized by Pakistan Engineering Council to undertake such work.