Assignment-02

Title of the report: Choice of Foundation- A Case Study

Suppose, you are instructed to build a building in the particular regions.

Roll 1-10: sylhet
11-20: chittagong
21-30: barisal
31-40: khulna
41-50: rajshahi
51-rest of all: dhaka

In between shallow and raft foundation, which one would you choose and why?

Your report should include in serial:

1. Definition of foundation
2. Difference between shallow and raft foundation and when which type of foundation is used
3. Sample bore log of any location of the region in as per your roll number (you can collect it from internet)
4. Your understanding about the borelog
5. How do you incorporate your choice of foundation type according to the borelog of your region
6. Step by step process of how would you complete the foundation from scratch (in details and in your own words, you should mention the cases that were discussed in class in your explanation such as concrete bleeding, segregation, compaction, settlement, differential settlement, land dispute, eccentric loading, clear cover, reinforcement corrosion etc while discussing about the steps)
7. Add necessary images from the internet as required.

Instructions : Assignment should be handwritten, using pencil and design pad. It should be submitted before the class starts.

A part of the mark in this assignment will be incorporated in the marks of assessment and quiz..so everyone is instructed to do this assignment carefully.