ELECTRICAL ENGINEERING DEPARTMENT

EE-466 Project Semester (062)

Objective: Design the protective scheme of the power system shown below. It is required to size all the CTs, define type of protection and relay setting.

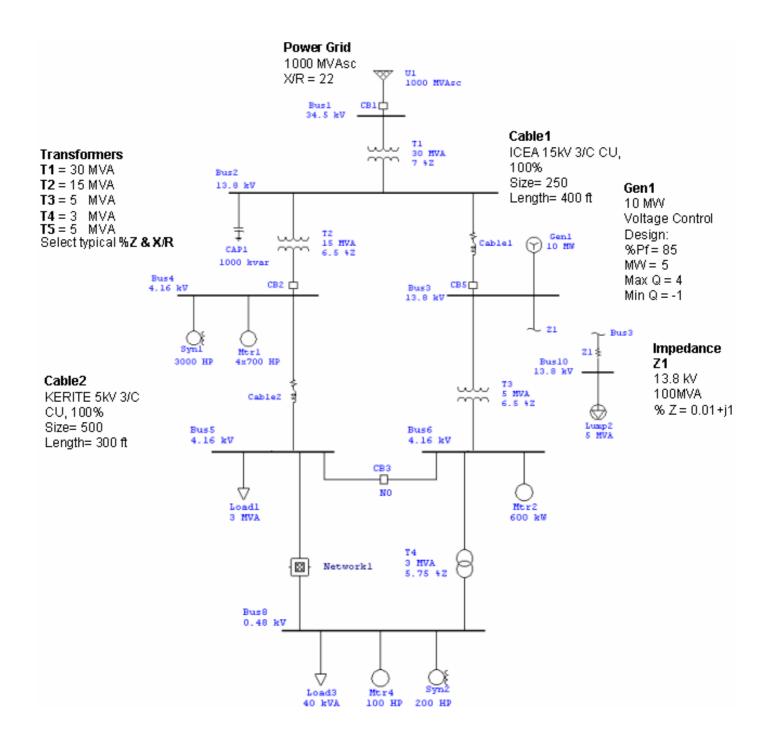
Procedure: You may use ETAP or EDSA software programs.

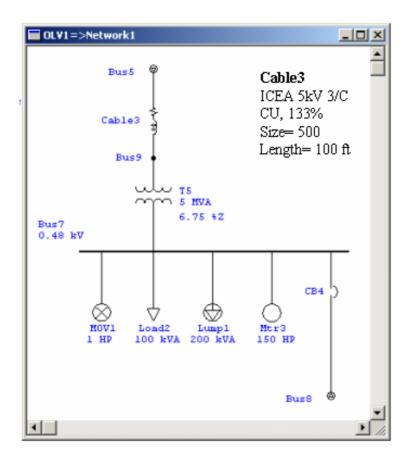
Steps 1. Draw the network with all the data as provided.

- 2. Run a load flow to determine your steady state conditions.
- 3. Perform short circuit analysis at different buses.
- 4. Select and size all CT
- 5. Connect relays where appropriate
- 6. Carry out . coordinating studies to adjust relay settings.7. Check for relay operation for selected fault locations.

Report: Prepare a detailed report of your work.

Presentation : Prepare a PowerPoint presentation about your work. Presentations will be scheduled at a later time.





NB. You may work in a group of two but no more Report Submission May 31, 2007