

The Case

You are supposed to identify the sequence of activities and to develop the level 2 details for building a dam and some relevant structures over a river. The aims of building the dam are:

- 1- Prevent floods and controlling the water level of the river.
- 2- Irrigating the neighboring area.
- 3- For recreational purposes.

The Level 1 activities are (in no order)

- Build a new highway bridge where an adjoining highway crosses a reservoir inlet.
- Build an emergency spillway at a location removed from the main dam itself.
- Build the Dam itself.
- Development of the borrow area.
- Divert the river away from the construction area.
- Haul the roads between the dam and the haul area.
- Relocate 8 miles of oil pipeline that crosses the dam area to another area.

Work in a team of at least 5 to develop the timelines of the project. Drill each of the above activities to the 2nd level. Limit the level 2 activities to 6 sub-activities. Divide the work among all the team members. Present your final deliverables in hardcopy as well as a 20 min group presentation.

Deliverables

Each member: should submit one electronic document in an email that shows:

- 1- The order of executing the Level 1 activities.
- 2- The Level 2 details of at least 2 of the activities (in Excel, Word or Project format)
- 3- List of milestones pertaining to each Level 2 activity.

As a team, present the whole dam project. Each member can present their own findings. However, the overall presentation should not exceed 20 min (Notice that this is a mini-project task!)

Deadlines

13 Oct 2008 at 6 pm: Email the Electronic format to keyano.pm@gmail.com

19 Oct 2008: Group Presentation in class.

Objectives of this case study:

- 1- Work in teams to interrelate common activities.
- 2- Identify the activities of an unfamiliar and ambiguous construction project
- 3- Order and priorities the activities.
- 4- Breakdown/drill the activities to the second level.
- 5- Present the activities in an acceptable printed format.
- 6- Identify and resolve communication issues among members with constraints.

Note: You WILL NOT be evaluated on your knowledge of building a dam.