

## **FAQ's**

### **1. What is planning?**

Planning aims at formulation of a time based plan of action for coordinating various activities and resources to achieve specified objectives. Planning is the process of developing the project plan. The plan outlines how the project is to be directed to achieve the assigned goals. It specifies a predetermined and committed future course of action, based on discussions and decisions made on the current knowledge and estimation of future trends.

### **2. What is construction planning?**

The construction planning process is stimulated through a study of project documents. These documents include but are not limited to the available technical and commercial studies and investigations, designs and drawings, estimation of quantities, construction method statements, project planning data, contract documents, site conditions, market survey, local resources, project environment and the client's organization. The planning process takes in to account, the strengths and weakness of the organizations.

### **3. What are the objectives of planning?**

- Proper design of each element of the project
- Proper selection of equipment and machinery in big projects, the use of large capacity plants are found economical
- Procurement of materials well in advance
- Proper arrangement of repair of equipment and machinery
- Employment of trained and experienced staff on the project
- To provide incentive for good workers
- To arrange constant flow of funds for the completion of project
- To provide proper safety measures and ventilation, proper arrangement of light and water.

### **4. What are the steps involved in planning?**

- Collect requirements
- Define scope
- Create WBS
- Define activities

- Sequence activities
- Estimate activity duration
- Develop schedule
- Estimate costs and determine budget
- Plan quality
- Develop human resource plan
- Plan communications
- Plan risk management
- Identify risks
- Perform qualitative risk analysis
- Perform quantitative risk analysis
- Plan risk responses
- Plan procurements

**5. List out the advantages of scheduling.**

- a. By studying of any work and the many alternative methods of execution, we can choose the best one.
- b. It gives a clear idea regarding the required men, materials and equipment's at different stages of work.
- c. Resource utilization is optimized.
- d. Actual progress of the work is monitored with the actual plan. If there is any delay, proper remedial measures can be taken to avoid such delays.

**6. Explain the uses of a Gantt chart.**

**A Gantt chart is used for the following activities:**

- a. Establish the initial project schedule
- b. Allocate resources
- c. Monitor and report progress
- d. Control and communicate the schedule
- e. Display milestones
- f. Identify and report problems