

## **The Project Scope Management**

Project scope management can be explained under the following headings:

### **Scope Planning:**

- To develop common understanding of Project scope among stakeholders.
- To identify boundaries of the project.
- To identify project objectives and major deliverables.
- As project progresses, scope statement may need to be revised.

### **Scope definition:**

- To outline the contents of the project.
- To explain, how it will solve customer needs and problems.
- To identify those works, which are required for the completion of project?
- To subdivide work into manageable work packages.

### **Scope verification:**

- To formally approve the scope of the project with stakeholders.
- To formally approve all changes that takes place during implementation phase.
- To formally get acceptance from the stake holders.

### **Scope Change control:**

- To ensure that changes are beneficial to the project.
- To define the limits of the change
- To determine that a scope change is inevitable.
- To manage the actual changes, when they occur.
- To establish a framework to monitor, evaluate and approve the changes.

## **Work Breakdown Structure**

- WBS is the subdivision of work into manageable work units.
- These units can be planned and assigned to individuals or departments for completion.
- It is the distribution of complex works into manageable units.
- WBS can be presented in the following ways:

1. Graphical method
2. Text method
3. The numbering method

### **1. Graphical Method: (Vertical Presentation)**

- Division of works and related responsibilities are easy to understand in this method for all kind of workers.

## **Graphical Method: (Horizontal Presentation)**

### **2. Text Method**

- Each work is distinguished from other due to a unique number attached with it.

#### **1.0.0 House Project**

### **1.1.0 Civil**

- 1.1.1 Walls
- 1.1.2 Roofs

### **1.2.0 Plumbing**

- 1.2.1 Piping
- 1.2.2 Sewerage

### **1.3.0 Electrical**

- 1.3.1 Wiring
- 1.3.2 Appliances

## **3. The Numbering Method**

- It is a combination of graphical and text method.
- It uses the advantages of both methods.

### **Types of WBS**

1. Product Breakdown structure (PBS)
2. Organization Breakdown structure (OBS)
3. Cost Breakdown structure (CBS)
4. Contract Breakdown structure (CBS)
5. Location Breakdown structure (LBS)
6. Transport Breakdown structure (TBS)
7. System Breakdown structure (SBS)
8. Project Life cycle structure (PLS)

### **WBS Levels**

- It is the detail with which Work Breakdown Structures are subdivided.
- Three or four levels are sufficient to explain to achieve the desired level of planning and control.
- In situations, where more levels are required, the phenomenon of sub-project is introduced.
- Number of levels depends upon:

1. Level of risk
2. Level of Control
3. Level of accuracy
4. Level of detail