

Economical plant size:

Economic plant size is the size where cost is minimized

Plant Layout:

Layout planning is deciding on the best physical arrangement of all sources that consume space within a facility

Importance of plant layout:

- It is long term commitment
- It facilitates the production process, minimizes material handling, time and cost and allows flexibility of operations
- It facilitates easy production flow
- Make economic use of the building, promotes effective utilization of manpower and provides for employee's convenience, safety, comfort of work
- Maximum exposure to natural light and ventilation
- It effects the flow of material and process, labor efficiency, supervision and control, use of space and expansion possibilities

Objectives of plant layout:

- Proper and efficient utilization of available floor space
- To ensure the work procedures are point to another point without any delay
- Provide enough production capacity
- Reduce material handling cost
- Utilize labor efficiency
- Reduce accidents
- Provide employee safety and health
- Allow high machine or equipment utilization
- Improve productivity
- To minimize cost of productions
- Better inter department relationship