

Lecture 3

PLANT LAYOUT

“Plant layout is defined as a systematic and efficient arrangement of various machines, tools, equipment and other supports services of an industrial organization in such a manner that material will flow smoothly and quickly from start point to end point with less material handling and with minimum time.”



PLANT LAYOUT & TYPES

ADVANTAGES OF PLANT LAYOUT

- Reduced men and machine hours per unit of production,
- Effectively and economical utilization of entire floor space of the plant.
- Work flow is smooth and continuous.
- Production control is better.
- Manufacturing time is less.
- Relatively less floor area is required
- Material handling is less.

PRODUCT LAYOUT

This layout implies that various operations on raw material are performed in a sequence and the machines are placed along the product flow line, i.e., machines are arranged in the sequence in which the raw material will be operated upon.

