

OBJECTIVE

The main object of the plant lay out is to increase productivity; namely to produce the maximum at the lowest cost. It can be achieved through proper planning and execution. Properly planned plant layout aims at achieving the following objectives

- 1.Streamline the flow of materials through the plant.
- 2.Facilitate the manufacturing process.
- 3.Maintain high turnover of in-process inventory.
- 4.Minimize materials handling and cost escalation.
- 5.Effective utilization of men, equipment and space.
- 6.To make effective utilization of cubic space.
- 7.Flexibility of manufacturing operations and arrangements.
- 8.To have minimum materials handling.
- 9.Convenience and safety of workers in and around work place.
- 10.To reduced work in progress materials.
- 11.Reduce bottlenecks in movement of materials.
- 12.Minimize the possibilities of accidents.
- 13.Minimize investment in equipments.
- 14.To minimize overall production time.
- 15.Plan for future expansions.
- 16.To facilitate the organizational structure.

The objective of the plant layout has been explained by Shubin and Madeheim as; "Its objective is to combine labour with the physical properties of a plant (machinery, plant services, and handling equipments) in such a manner that the greatest output of high quality goods and services, manufactured at the lowest unit cost of production and distribution, will result".