

### **Definition of Materials Management**

1. Materials management is an approach for planning, organizing, and controlling all those activities principally concerned with the flow of materials into an organization.
2. Materials management is a scientific technique, concerned with planning, organizing, and control of flow of materials, from their initial purchase to destination.

### **Materials Management Tasks**

- 1-Procurement and purchasing
- 2-Expediting
- 3-Materials handling
- 4-Distribution
- 5-Cost control
- 6-Inventory management \ Warehousing.
- 7-Transportation

### **Basic Objectives of Materials Management**

Often called the famous 5 Rs of materials management. They are acquisition of materials and services:

- 1-The right quality
- 2-The right quantity
- 3-The right time
- 4-The right source
- 5-The right price

## **Goals of Materials Management**

Goals of materials management:

- 1-To buy at the lowest price, consistent with desired quality and service.
- 2-To maintain a high inventory turnover, by reducing excess storage.
- 3-To maintain continuity of supply, preventing interruption of the flow of materials and services to users.
- 4-To maintain the specified material quality level and a consistency of quality which permits efficient and effective operation.
- 5-To participate in make or buy decisions.
- 6-To achieve a high degree of cooperation and coordination with user departments.
- 7- To develop and maintain good supplier relationships in order to create a supplier attitude and desire furnish the organization with ideas, products, and better prices and service.
- 8- To develop reliable alternate sources of supply to promote a competitive atmosphere in performance and pricing.

Continued to materials management....

## **Benefits of Materials Management**

The effective materials management plan enhances an institutional master plan by filling in the gaps and producing an environmentally responsible and efficient outcome.

An institutional campus, office, or housing complex can expect a myriad of benefits from an effective materials management plan.

- 1- For starters, there are long-term cost savings,
- 2- As consolidating, reconfiguring, and better managing a campus' core infrastructure.
- 3- Reduces annual operating costs.
- 4- An effective materials management plan also means a more holistic approach to managing vehicle use and emissions, solid waste, hazardous waste, recycling, and utility services.

As a result, this means a "greener" more sustainable environment and a manifestation of the many demands today for institutions to become more environmentally friendly.

Finally, an effective materials management plan can improve aesthetics, remove unsafe and unsightly conditions, place core services out of sight. Consequently, environment will friendly improve.