

Material Requirements Planning (MRP)

Atef Abdelfatah

#AtefSupplyChain



Material Requirements Planning (MRP)

- **Objectives**
- **Inputs**
- **Outputs**

MRP Objectives

- To determine materials requirements
 - Items (By Code, Description..etc)
 - Quantity
 - When? Date/Time

- Set priorities and follow up them
- Adapt to changes either supply or demand
- Change planned orders
- Anticipate (accelerate or delay orders)
- Cancel orders



MRP

Material
Requirements
Planning



MRP Inputs

MPS (FG plan)

Inventory status

BOM (Bill of Materials)

Planning parameters (Lead time , lot size..etc)

MRP Outputs

Manufacturing

Manufacturing orders
(To Factory)

Purchasing

Purchasing Orders
(To Vendors)

Thanks

3 MINUTES SUPPLY-CHAIN

Workable Supply-chain Learning

Attef Abdelkhatib

