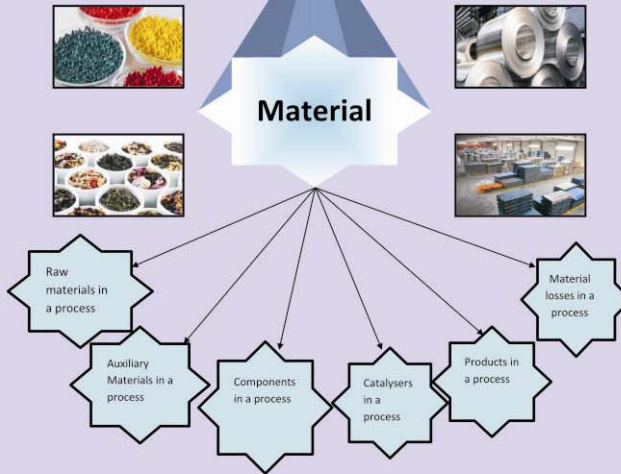
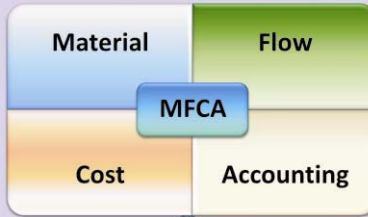




# National Productivity Council

(Under Ministry of Commerce & Industry, Government of India)

E-5, GIDC ELECTRONIC ESTATE, GANDHINAGAR-382028, GUJARAT



## Types of Material losses

- Material loss during processing, defective products, impurities
- Materials remaining in manufacturing equipment following set-ups
- Auxiliary materials such as solvents, detergents to wash equipment, water
- Raw material that becomes unusable for any reason

| Before MFCA implementation  |                   |                              | After MFCA implementation  |             |               |                                      |
|---|-------------------|------------------------------|--|-------------|---------------|--------------------------------------|
| WORK CENTRE: Core Shop  |                   |                              |  |             |               |                                      |
|  |                   |                              |  |             |               |                                      |
| Shooting part sand weight = 10g   |                   |                              | Shooting part sand weight = 4 g  |             |               |                                      |
| Item Name   | No. of Core/Month | Shooting Print Core Wt. (kg) | Reduced Core Wt. (kg)  | Yearly Req. | Yearly Saving | Cost Rs. 10.7/kg                     |
| Spicer Diff   | 60000             | 0.010                        | 0.006  | 720000      | 4320          | 46224                                |
| Cycl Head T+B   | 30000             | 0.040                        | 0.020  | 360000      | 7200          | 77040                                |
|  |                   |                              |  |             |               | <b>Total Savings: Rs. 1,23,264/-</b> |