

# CHAPTER 1

## 1. INTRODUCTION

Basic human needs of a civilized man are Food, Water, Shelter and Clothes. The Cloth requirement is the only element, which is not required by other living things. It seems that cloth is one of the symbols of the intelligence and civilization, where it gives a beauty and a security from hot, cold, and dirtiness too.

History of clothes goes back to where the human's civilization started. The Bible says that Adam and Eva started to wear clothes once they had eaten the prohibited fruit. That proves the statement, which says the cloth requirement started with the beginning of civilization. After they have civilized, when struggling to live in this fast moving world, the human needs became larger and larger, and very complicated. The spare time they had to prepare their clothes became smaller and smaller. Therefore people intended to wear ready-made garments. Eventually the tailors and the garment factories came into the scene. Thereby the garment trade became a fast growing fashionable industry, where a huge number of employees are employed and that much of huge material cost is spent.

Out of the total material cost, the fabric cost normally takes the value between 50% and 95% and it represents 20% to 70% of the total producing cost. A considerable percentage of this huge material cost mainly represents the type and the amount of fabric used. As,

$$\text{Fabric cost} = \text{Fabric price per meter} \times \text{Fabric use}$$

By reducing either the

- Fabric price or
- Fabric use.

The cost of fabric can be lowered.

The person who can reduce the fabric usage in professional manner is the Cutting Room Manager. Reducing the price of fabric is not something that he could do, but reducing fabric use is one of his main duties.

Therefore the cutting room management should be well experienced in high fabric utilization and should have a vast knowledge in various aspects in cutting room management. Hence, the author wishes to discuss in deeply on the "High Fabric Utilization Through Cutting Room Management".

The author is experiencing in a technically sound cutting room and thereby can get an advantage of computerized systems. Also the author's one of the main duties is to reduce the fabric wastage. The author has been selected this topic in the aim of identifying the most economical cut order plan and improve the methods used for high fabric utilization. Also this effort support to reduce the cost of a garment and a vast value addition in to the cutting departmental operations.