



# **SNS COLLEGE OF ENGINEERING**

**Kurumbapalayam (Po), Coimbatore – 641 107**

**An Autonomous Institution**

**Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A’ Grade**

**Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai**



## **DEPARTMENT OF MANAGEMENT STUDIES**

**SUBJECT NAME & CODE : 23BAT348 - AIR CARGO MANAGEMENT**

**YEAR/ SEMESTER : II MBA / III SEMSTER**

**UNIT 1 : INTRODUCTION TO AIR CARGO MANAGEMENT**

**Topic : Chargeable Weight Rating**



## Chargeable Weight Rating



- Chargeable weight, also known as volumetric weight, is a concept used in logistics and shipping to determine the cost of transporting goods.
- It reflects the space a shipment occupies in relation to its actual weight.
- This method is crucial for calculating shipping costs, especially for lightweight but bulky items.



## How is Chargeable Weight Calculated?



- The chargeable weight is calculated using two key metrics: the actual weight of the shipment and its dimensional weight (volumetric weight). The higher of the two weights is used for pricing.
- **Dimensional Weight Calculation:**
  - Formula:  $\text{Dimensional Weight} = (\text{Length} \times \text{Width} \times \text{Height}) / \text{Dimensional Factor}$
  - Dimensional Factor: This varies by carrier but commonly used factors are 5000 or 6000.
  - Actual Weight: This is the physical weight of the shipment.
  - Chargeable Weight Determination:
    - Compare the actual weight with the dimensional weight.
    - The higher weight is used for calculating shipping costs.

## Companies and Types of Services for Chargeable Weight Rates

- **DHL Express**
- Service Types:
  - DHL Express Worldwide: Fast, international door-to-door service.
  - DHL Express Domestic: Quick domestic deliveries.
  - Dimensional Factor: Typically 5000 for international shipments and 6000 for domestic shipments.





## Companies and Types of Services for Chargeable Weight Rates



- **FedEx**
- Service Types:
  - FedEx International Priority: Expedited international delivery.
  - FedEx Ground: Cost-effective domestic ground shipping.
  - Dimensional Factor: Generally 5000 for international shipments and 6000 for domestic shipments.





## Companies and Types of Services for Chargeable Weight Rates



- **USPS (United States Postal Service)**
- Service Types:
  - Priority Mail Express International: Fast international service with delivery in 1-3 business days.
  - Priority Mail: Affordable domestic shipping with flat rate options.
  - Dimensional Factor: Generally, the factor for international shipments is around 6000.





**RECAP**

**QUESTIONS???**

**THANK YOU**