

Parcel Directorate Order No. 3/2022

**F. No.27-08/2021-PD  
Government of India  
Ministry of Communications  
Department of Posts  
(Parcel Directorate)**

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**Malcha Marg Post Office Complex  
Chanakyapuri, New Delhi-110021  
Dated: 10<sup>th</sup> February, 2022**

To

**All Chief Postmasters General**

**Subject: - Parcel Packaging Policy**

Quality of packaging is a key element in safe and secure transmission of parcels. Safety and security of parcels have to be ensured at two levels i.e at the level of each unit of parcel booked and transmission of parcel from origin to destination. With the introduction of All-India Postal Road Transport Network, safe and secure transmission of parcels has been ensured by the Department to a large extent. Safety and security of individual parcels, however, needs to be ensured to boost the confidence of customers in booking, transmission and delivery system of India Post. It is in this context that a Parcel Packaging Policy has been formulated taking into account the packaging standards being followed in the Courier, Express and Parcel market.

2. There are three main aspects of Parcel Packaging Policy as detailed below:

**I. External packaging (Box, flyers, Bi-axially Oriented Polypropylene (BOPP) tape, stretch wrap plastic films & strapping rolls)**

Small parcels should be placed inside tamper-evident plastic flyers & non-tearable paper bags of different sizes duly sealed. Fragile items requiring reasonable level of protection in the process of handling should be placed inside corrugated boxes. Bi-axially Oriented Polypropylene (BOPP) tapes are the packaging tape commonly used for securing & fastening medium and heavy-duty Parcel boxes. Stretch wrap plastic films & strapping rolls can be used for providing additional security during transport and storage. Specifications for plastic flyer bags & BOPP Tapes circulated vide this office letter no. 17-24/2019- PD dated 11.03.2020 have also been modified and subsumed in the revised Parcel Packaging Policy. (Detailed specifications are at Sl. I of Annexure)

**II. Internal packaging (loose fill like Bubble wrap, airbags, cardboard fillers)**

Bubble wrap, airbags & shredded cardboard fillers are all commonly used as cost-effective & high-performance loose fill packing materials for keeping the consignments safe and secure during handling. The shock absorption properties of these materials provide a cushion to fragile items and prevent damage during transportation. (Detailed specifications are at Sl. II of Annexure)

### **III. Self-Adhesive Special Handling Label:**

Proper use of handling instruction labels helps in ensuring proper and careful handling during storage, transportation and delivery. The dimensions of the handling instruction labels should be of appropriate size considering the size of the consignment. (Detailed specifications are at Sl. III of Annexure).

### **3. Discontinuation of the use of cloth material for Parcel Packaging:**

(i) Presently, parcels wrapped in cloth packaging are accepted for booking and transmission by Post offices/ booking centres. It has been observed that pre-printed barcode labels do not adhere well to the cloth packaging during transmission. In view of this, a Gazette notification was issued on 28.03.2014 wherein following provision was inserted in IPO Rules, 1933 (5):

*"A parcel wrapped with cloth should invariably either be packed in a carton or be covered with paper or plastic wrapper over the cloth wrapping so that the bar code sticker can be properly affixed on the parcel for track and trace purpose"*

(ii) In view of the above, no Parcel should be accepted wrapped in cloth packaging with effect from **01.04.2022**. Parcels having packaging of cloth material can, however, be accepted if packed in corrugated boxes or flyer bags as specified in the packaging policy.

(iii) Circles may launch a massive publicity drive specially at the counters of Parcel Booking Centres to make the customers aware of the use of corrugated boxes of specified standards for booking of parcels.

(iv) Since the corrugated boxes/flyer bags of specified standards will enable the Department in safe, secured and smooth handling of parcels, these may be made available to the customers at the counter at cost price.

### **4. Use of BOPP tapes at the retail booking counters**

(i) All parcels booked at the post office counters must invariably be secured with BOPP tapes having a printed array of "India Post Parcel" logo as an added security measure. For this purpose, all booking counters must be supplied with BOPP tapes by the Circles as a part of the packaging material.

(ii) BOPP tapes may also be used to secure the packaging of parcels damaged during transit, before delivery to the customer.

(iii) Bulk and contractual customers may use tamper evident BOPP tapes with their company logos.

### **5. Setting up of Parcel Packaging Units (PPUs) for retail customers**

(i) The primary objective of setting up of PPU is to ensure that parcels are handled and transported in a safe and secured manner. Circles may therefore, consider setting up of Parcel Packaging Units (PPUs) in major post offices having substantial retail bookings of parcels.

(ii) A prominent location should be identified in these post offices for setting up of PPU and required packaging materials and equipment viz. Roll stretch wrapping machine and Parcel strapping machine, should be made available in the PPU so that retail parcels can be properly packed.

(iii) Scheme funds provided for parcels under activity "Infrastructure Upgrade for Speed Post etc." can be used for purchase of Parcel Packaging equipment.

(iv) Packaging of parcels provided at PPU will be a charged service. Circles may fix the charges for providing packaging services taking into account the cost of the packing material and a reasonable service charge not exceeding Rs. 10/- per parcel.

## **6. Sensitizing the Private Packaging Vendors of the revised packaging standards**

It is generally observed that many private vendors provide Parcel Packaging Services outside major post offices across the Country. These vendors mostly use cloth packaging material or low quality of corrugated boxes. Circles should make these vendors aware of the new Packaging Standards of the Department wherein packaging in cloth material is to be avoided and corrugated boxes and paper/ plastic flyers of prescribed specifications should be used for packaging.

## **7. Supply of packaging materials through Circle PSDs**

(i) Material Management Division of the Postal Directorate will take up the matter with GeM to ensure that the Parcel Packaging materials as specified in the Annexure are available on GeM Portal, so that Circles can purchase the packaging materials as per their requirement through their respective Postal Store Depots.

(ii) Circles may ensure adequate supply of the packaging materials to post offices/parcel booking hubs/ NDCs as the case may be.


8. The sale of the packing materials may be booked under 'Retail Post- Packaging Material'.

9. All bulk customers should be advised to adopt the new packaging standards of India Post and it should be incorporated in the MoU/agreement signed with bulk and contractual customers for Speed Post Parcel & Business Parcel. The format of the agreement has already been circulated by Business Development & Marketing Directorate vide letter No. 10-23/2013-BD&MD dated 24.01.2017

10. Circles may ensure availability of packaging materials at post offices/booking centres well before **01.04.2022** and put up display boards outside the Post offices/ booking centres about availability of packaging materials.

This issues with the approval of Director General Postal Services.

Encl: A/a

  
(Ajay Kumar Roy)  
Chief General Manager

Copy for information to:

1. Sr. PPS to Secretary (Posts)
2. Sr. PPS to DG Postal Services
3. Member (Operations)
4. Director, RAKNPA
5. CGM (CEPT)- with request to get Sale of Packaging material configured under Retail Post
6. DDG (Estates & MM)- for necessary action as per para 7(i) above
7. GM (CEPT)- with request to arrange to upload the revised Parcel Packaging Policy on India Post website
8. DDG (PO) / DDG (IR&GB) / DDG (MO)- for information
9. Directors- All PTCs.

## Parcel Packaging Standards

There are three aspects of parcel packaging as mentioned below:

- I. External packaging (flyer, Boxes, Bi-axially Oriented Polypropylene (BOPP) tapes, stretch wrap plastic films & strapping rolls)
- II. Internal packaging (loose fill like Bubble wrap, airbags & cardboard fillers)
- III. Special Handling label- labels indicating handling instructions for fragile items

### I. External packaging (flyers, BOPP tapes, Boxes)

**A. Small parcels-** Small parcels should be placed inside tamper-evident plastic flyers & non-tearable paper bags of different sizes duly sealed. Specifications for plastic flyer bags circulated vide this office letter no. 17-24/2019- PD dated 11.03.2020 have also been modified as below. Additional features to be included are sequential security numbering (to be printed at seam of the flyers)

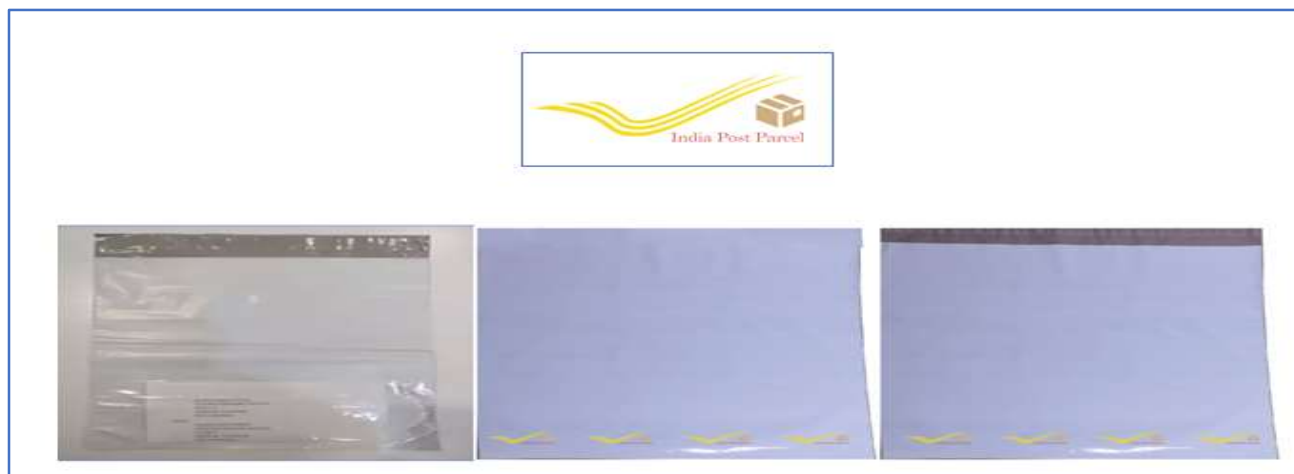
#### (i) Plastic flyer/bag:

Features	Specifications
Usages	For securing parcels
Property	Recycle and Tamper proof/evident
Thickness	55-60 Microns
Material	LDPE/HDPE (Low/High Density Polyethylene) with water/moisture resistant feature
Tensile strength	400% elongation at break with MPa unit above 25
Pattern	Transparent Jacket/Pouch with (POD/Invoice)
Branding	Array of "India Post Parcel" logo across the length of envelope (preferable size - 2" x 2" inches)
Carrying Capacity	Less than 2 Kgs
Dimensions of the plastic flyer/Bags	12" x10" Inches pouch 16" x 12" Inches pouch (6" x 6") Inches pouch <b>Optional-</b> Bubble padding

## Parcel Packaging Standards

Adhesive Strip glue & tamper evident feature	<ul style="list-style-type: none"> <li>Peel &amp; Seal permanent adhesive flap closure (Glue strength is of highest quality)</li> </ul>
Additional Features	<ul style="list-style-type: none"> <li>Easy to write on with a permanent marker/ pen</li> </ul>

Tensile Strength- is the maximum stress that a material can withstand while being stretched or pulled before failing or breaking.

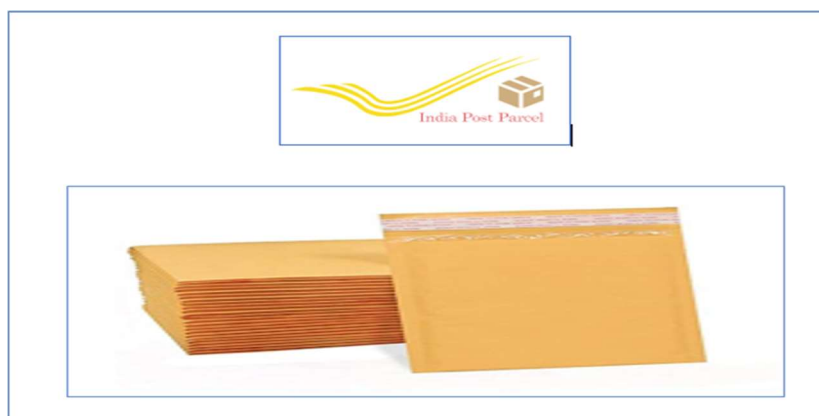


### (ii) Paper flyer/Bag:

Features	Specifications
Usages	For securing parcels
Property	Recycle and Tamper proof/evident
Thickness	100-150 Microns
Material	Kraft paper with water/moisture resistant feature
Pattern	Transparent Jacket/Pouch with (POD/Invoice)
Branding	Array of “India Post Parcel” logo across the length of envelope (preferable size - 2” x 2” inches)
Carrying Capacity	Less than 2 Kgs

## Parcel Packaging Standards

Dimensions of the paper flyer/ Bags	12" x10" Inches pouch 16" x 12" Inches pouch (6" x 6") Inches pouch <b>Optional</b> -bubble padding
Adhesive Strip glue& tamper evident feature	<ul style="list-style-type: none"> <li>Peel &amp; Seal permanent adhesive flap closure (Glue strength is of highest quality)</li> </ul>
Additional Features	<ul style="list-style-type: none"> <li>Easy to write on with a permanent marker/ pen</li> </ul>



(iii) To be printed on flyer bags: *(Note- all instructions at Table 1 & 2 in Bilingual (English/Hindi))*

Table 1 to be printed at top middle of flyer on both the sides

Please check for following before accepting the package

- Security numbering (123,456) is **VISIBLE** at the edges of bag and **NOT DISTORTED**
- Use of any tape is not allowed on the bag.

Table 1.

## Parcel Packaging Standards


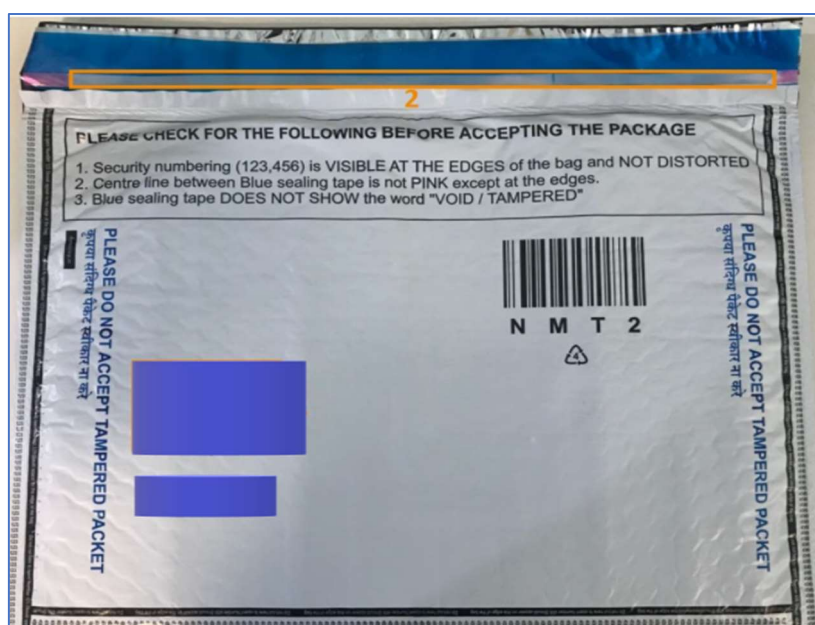
- **NO TAPE ALLOWED** (in 'bold'-to be printed at centre on both the sides)
-  **PLEASE DO NOT ACCEPT TAMPERED PACKET** (in 'bold'- To be printed vertically along the sides on both the sides of flyer)

Table 2



Illustration

**B. BOPP tapes-** Tamper evident Bi-axially Oriented Polypropylene (BOPP) tapes are the packaging tape commonly used for securing & fastening secondary packaging material (i.e. carton boxes, corrugated boxes etc.) for medium and heavy-duty parcel box. Specifications for these have already been circulated vide this office letter no. 17-24/2019- PD dated 11.03.2020 and are modified as under

Feature	Specifications
Width (inch)	Min:2"
Length (metre)	40 & above



## Parcel Packaging Standards

Colour options	<ul style="list-style-type: none"> <li>• Brown/Transparent</li> <li>• Array of “India Post Parcel” logo printed on entire roll</li> </ul>
Thickness	<ul style="list-style-type: none"> <li>• 40 microns</li> </ul>
Additional desired features (List not exhaustive)	<ul style="list-style-type: none"> <li>• Medium and heavy sealing (Hot melt Acrylic/ rubber)</li> <li>• Withstand multiple environments</li> </ul>



**Note:** wrapping of tape to be done in such a manner that it does not obstruct/ overlap address labels, bar code etc.

**C. Boxes-** High quality six-sided corrugated cardboard box with flaps intact parcels. These boxes can be sealed with tamper proof BOPP tapes. Fragile items requiring reasonable level of protection in the process of handling should be placed inside corrugated boxes. Specifications for boxes with appropriate strength and durability for carrying the weight and size of the item with carrying capacity of 1 kg, 2kg, 5kg, 10kg, 15kg, 20 kg, 25 kg & 35 Kg are as below.

## Parcel Packaging Standards



### Dimensions & specifications for Boxes: (No joint/single joint)

#### (i) Dimensions:

Parcel Boxes	Dimension of boxes - minimum prescribed (in mm)	Weight (in Kg.)	Preferrable box type
Small	337 x 182 x 100	0 to 1 Kg	Single wall
Medium	336 x 320 x 52	Upto 2 Kgs	Single wall
Large (L1)	337 x 322 x 180	Upto 5 Kgs	Single wall
Large (L2)	337 x 322 x 345	Upto 10 Kgs	Single wall
Large (L3)	417 x 359 x 369	Upto 15 Kgs	Double wall
Large (L4)	481 x 404 x 389	Upto 20 Kgs	Double wall
Large (L5)	541 x 444 x 409	Upto 25 Kgs	Double wall
Large (L6)	800 x 600 x 600	Upto 35 Kgs	Double wall
Large (L7)	1600x500x500	Upto 35 Kgs	Double wall

#### (ii) Boxes specifications:

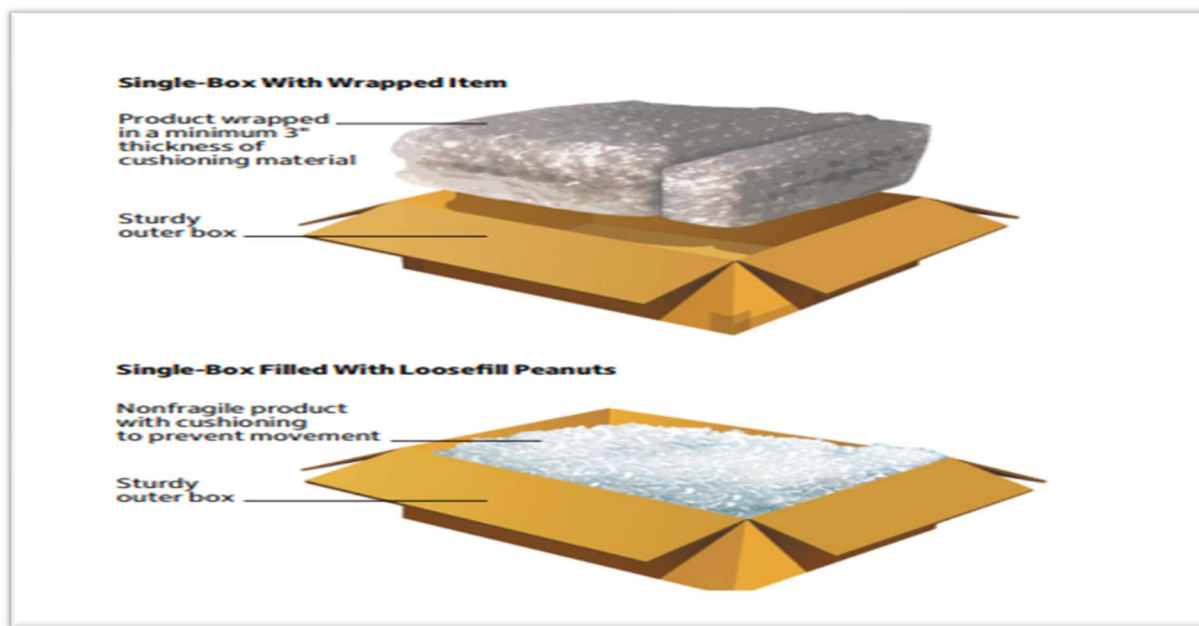
Box type	Material Thickness	Material grade (GSM) in gms	Bursting test (pounds per sq. inch)	Edge crush test (pounds per sq. inch)
Single wall	3-5 mm	150 gm	160	34
Double wall	7-8 mm	250 gm	250-350	55

## Parcel Packaging Standards

**Burst-Test-** is the force of pounds per square inch required to rupture or burst the side of a corrugated box. The result indicates the box's ability to withstand external or internal forces, and how the box will contain its contents during rough handling.

**Edge-Crush-Test (ECT)** - measures the stacking strength of corrugated cardboard boxes or fiberboard. Determining a finished box's compression-strength is defined by the amount of force that is needed to crush the cardboard by standing it on its edge.

(iii) **Boxing method** can be of two kinds a. **Single box method**, b. **Box-in-Box method**

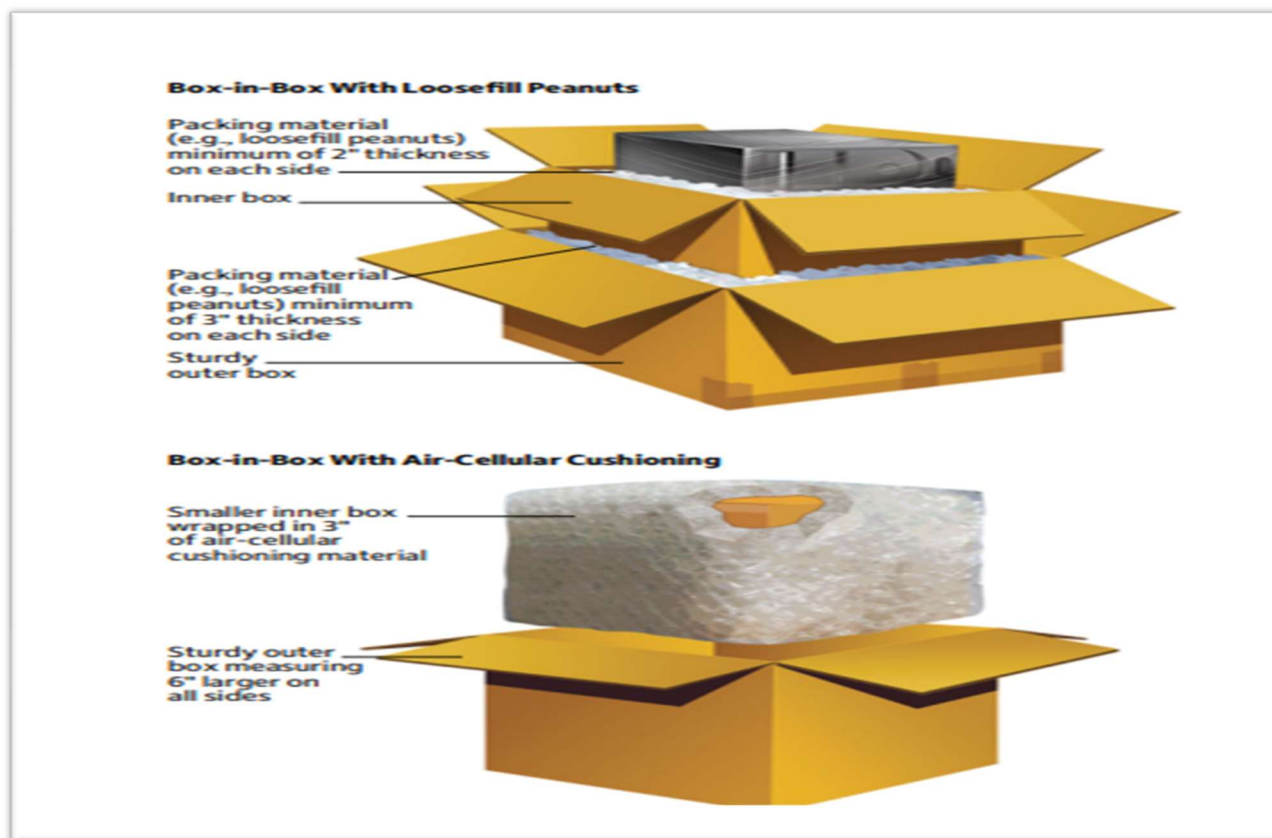


a. Single box packaging method

### Basic packaging method

- Suitable for most non-fragile articles (e.g. printed matters, machinery parts, metal parts etc.)
- Items that may be affected by moisture and staining should be placed into a strong plastic bag or container for extra protection.
- Ensure items are placed centrally in the box with at least 6cm of separation from any of the external walls and corners.
- If shipping multiple items within a single box, ensure each one is wrapped individually and well separated from one another.
- Fill any void space to prevent items moving within the box during transport.

## Parcel Packaging Standards



### b. Box in box packaging method

The box-in-box method utilizes a second outer box to offer additional protection. It is useful for the transportation of more fragile items or where the inner box will be used for retail purposes.

- The outer box should be at least 10 cm larger in all dimensions than the inner box to provide sufficient overpack protection
- Restrict any movement of the inner box by filling void space by internal packing material or any suitable dunnage material on all sides before sealing the outer box ready for transportation.

## Parcel Packaging Standards

### (iv) Printing instructions

-  **PLEASE DO NOT ACCEPT TAMPERED PACKAGE** (in 'bold'- To be printed at lower sides of box where visible in *Bilingual (Hindi/English)*)

**'India Post Parcel' Branding:** - India post parcel 'logo' to be printed in specified design and colour on lateral 4 walls of the corrugated box. Appropriate dimensions of India post parcel 'logo' should be kept as per the box size.

**D. (i) Stretch wrap plastic films-** Linear low-density polyethylene (LLDPE) wrapping films can be used for providing additional security during transport and storage. Roll stretch wrapping machine can be used for providing these services.



Illustration

**(ii) Strapping rolls-** PP strapping rolls can be used for providing additional security during transport and storage. Parcel strapping machine can be used for providing these services. An array of "India Post Parcel" logo shall be printed on entire roll



Illustration

## Parcel Packaging Standards

**Note:** Wrapping to be done in such a manner that it does not obstruct/ overlap address labels, bar code etc.

### II. Internal packaging (loose fill like Bubble wrap, airbags, cardboard fillers)

Bubble wrap, airbags & cardboard fillers are all commonly used as packaging material. All have different qualities and it is important to use them appropriately. The shock absorption properties of these materials provide a cushion to fragile items and prevent damage during transportation. The table below at 'X' describes what material is suitable as per need.



(a) Bubble wrap



(b) airbags



(c) cardboard fillers

Packaging Function				
Type of material	Cushioning	Void fill	Protection	Divider
Bubble wrap	✓	✓	✓	
Air bags		✓		
Cardboard fillers		✓	✓	✓

Table 'X'

#### (i) Specifications:

##### a. Bubble Wrap

Feature	Specifications
Material	Low density polyethylene (LDPE)
Thickness of film	35-40 GSM
Bubble diameter (mm)	10

## Parcel Packaging Standards

Percentage of sheet covered by bubbles	80%
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b. Airbags- Durable & tamper proof nature air pillow bags to protect valuable or fragile item

c. Cardboard fillers- Good quality shredded cardboard fillers

### III. Self-Adhesive Special Handling Label:

Proper use of handling instruction labels in corrugated boxes will help in ensuring appropriate transport, handling and storage of shipment during transit. Dimensions to be kept as per box sizes.



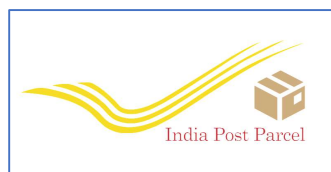
#### (i) Specifications:

Feature	Specifications
Material	Glossy coated on top
Dimension	3"x3" 4"x4" 6"x6"
Adhesive quality	Glue strength is of highest quality
Other features	Waterproof and Oil-proof, Fade Resistant & Reliable

**Note:** Affixing of label to be done in such a manner that it does not obstruct/ overlap address labels, bar code etc.

## Parcel Packaging Standards

### India Post Parcel Logo:



Note- India post parcel 'logo' to be printed on all BOPP tapes, flyer bags and Corrugated Boxes

In case of Bulk Customers, non-branded tapes, flyer bags & corrugated boxes can also be used.