

भारतसरकार **GOVERNMENT OF INDIA**
रेलमंत्रालय **MINISTRY OF RAILWAYS**
(रेलवे बोर्ड **RAILWAY BOARD**)

No.2015/M(C)/ 165/1

New Delhi, dated: 22/05/2015

**The General Managers,
All Indian Railways.**

**Sub: Supply of biodegradable disposable garbage bags to passengers: Budget
pronouncement 2015**

Hon 'ble MR, vide para 18 of his Budget Speech 2015, had announced regarding provision of disposable bag to the passengers along with bedroll for the purpose of collecting garbage. Accordingly, it has been decided that zonal railways should provide disposable bags (one disposable bag per passenger) to the AC passengers as a linen packet i.e. linen shall be provided in these bio degradable plastic bags to collect dry/wet waste. During the pilot trial phase, disposable bags should also be provided to Non-AC passengers for collecting the garbage generated during the course of journey so that train compartments are kept clean.

These Biodegradable bags may be procured through open tender as per broad description enclosed as Annexure-I.

These garbage bags can be disposed off in the dustbins by the passengers themselves or can also be collected by OBHS staff during their routine rounds for cleaning of coaches on run. Suitable instructions regarding use and disposal, logo of mission Swachh Bharat and 'Swachh Rail Swachh Bharat', information about OBHS, safety instructions etc. can also be printed on these garbage bags for information of passengers (sample print of front and back of bag is enclosed as Annexure-II).

Implementation status of these instructions may be advised by Zonal Railways to Board through MCDO every month. A report should be submitted to Board after completion of pilot trial in order to take a decision for its regular adoption.

This has approval of Board (MM)

Encl: As above.

(Prashant Kumar)
Director Mech Engg (Coaching)
Railway Board

Copy to :

The Chief Mechanical Engineers: All Indian Railways

Technical Features of Bio degradable plastic bags

Applicable standards for biodegradability		
Sr no	ASTM Standard	Description
4.	D-3826-98 (Reapproved 2002)	Standard Practice for Determining Degradation End Point in Degradable Polyethylene and Polypropylene Using a Tensile Test
5.	D-5208-01	Standard Practice for Fluorescent Ultraviolet (UV) Exposure of Photodegradable Plastics
6.	D 5510-94 (Reapproved 2001)	Standard Practice for Heat Aging of Oxidatively Degradable Plastics ¹

- The plastic sample should be tested as per ASTM D3826 (D5510) accelerated oven test. The plastic should degrade under landfill conditions within 2 years
- The plastic sample should be tested as per ASTM D5208-1 accelerated UV test. The plastic should degrade under littering conditions within 6 months.
- Size of the bag can be kept as 45 cm X 40 Cm and the load carrying capacity of min 3 Kg so that same can also be used as an option to be provided as linen bags. Nominal thickness of the plastic bag would be around 20 microns.

<Front side of the disposable bag>



पर्यावरण-अनुकूल डिस्पोजेबल कचरा थैली Environment friendly Disposable Waste Bag

(कृपया इस थैली का उपयोग यात्रा के दौरान उत्पन्न कचरा एकत्रित और फेंकने के लिए करें)

(Please use this bag for storing and disposing of garbage generated during the course of journey)

स्वच्छ रेल स्वच्छ भारत

Swachh Rail Swachh Bharat



<Backside of the bag>

(About housekeeping service provided on trains)

- This train has been provided with On Board Housekeeping Service (OBHS).
- OBHS staff are available on this train for carrying out cleaning of compartments and toilets during the journey in between 0500 hrs to 2200 hrs
- In case of requirement for cleaning by the passengers, these OBHS staff can also be contacted through a contact number displayed in doorway area.
- Passengers can also register their requirements for cleaning of compartments or toilets thorough web site www.cleanmycoach.com. This facility however is presently available on select trains.
- OBHS staff is required to get the feedback form filled up from passengers. It is requested to give a genuine feedback to improve the performance of OBHS.
- Passengers are requested to strictly refrain from giving any tip to OBHS staff.
- Passengers have been provided with this bag to store the garbage generated during the journey and dispose off only in dustbins either in the coach or those provided on station platforms.
- OBHS staff are required to empty the dustbins at regular intervals, at nominated stations, by disposing the garbage in the dustbins provided at the platforms.

(Fire Safety Instructions)

- Coaches are provided with minimum four nos of emergency windows. Emergency Windows are generally located on the 3rd and 7th Window from doorway at each end. In First AC coaches, however, emergency windows are provided in each coupe and in doorway.
- Do not use charging sockets for anything other than charging of mobile phones and laptops.
- In case of emergency requiring stoppage of train, pull the handle of emergency alarm provided in each coupe.
- Smoking is strictly prohibited inside the train.
- Carriage of explosives is strictly prohibited.