

Evaluation of the separate collection of waste in airport passenger terminals.

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Abstract

Separate garbage disposal is an important step toward better waste management. Legislation in various countries allowed for the deployment of diverse garbage collecting systems in a variety of settings, including rural and urban households, institutions, and businesses. Each source of waste is responsible for segregating and storing refuse in designated bins or containers. Various educational, communication, and marketing activities aim to shape social attitudes toward right conduct in order to improve and make it more efficient to segregate and place distinct waste categories in appropriate containers designed for the collection of specific types of waste.

Travel has become an increasingly common form of leisure and sightseeing for a large number of individuals around the world. Air transportation is among the most popular kind of transportation. The first and last stop for a passenger is an airport terminal. Separate waste collection is required there in order to comply with waste management rules. There are a considerable number of travelers at each airport, especially during peak season. Almost all passengers generate tiny amounts of garbage while waiting for their departure.

Separate waste collection has a significant meaning for a traveler, and this study attempts to assess the most relevant views of both passengers and airport management. Several elements must be investigated to provide answers for the evaluation of the separate waste management system:

- Separate waste collection bins,
- Waste bin visibility and number,
- Waste bin information and locations,
- User-friendly shape and design of bins,
- Methods for improvement of waste efficiency,
- How the separate collection promotes environmentally beneficial behavior.

The study explores and evaluates numerous aspects that influence the perception of separate collection of waste in airports. It is the first spot for visitors, particularly those from other nations, to view the operation of a distinct garbage collecting system. The visibility and accessibility of airport rubbish bins were assessed. The outcomes of this study will promote the enhancement of the micro scale of separate garbage collection and recycling consciousness among individuals.