

ENVIRONMENTAL BURDEN DUE TO TOBACCO PRODUCT WASTE



Objectives

The study was carried out to assess the environment burden in terms of plastic, paper, foil and filter waste, posed by various smoked and smokeless tobacco products at National and State levels.

Methodology

A cross-sectional survey was conducted in 33 districts of 17 states and UTs across the country. After exclusion of duplicates, 200 unique tobacco products including 70 cigarette brands, 94 bidi brands and 58 smokeless tobacco brands were procured from across the country to ensure representation and generalizability from all the geographic regions of the country. Gross weight and segregated weights of the plastic, paper, foil and filter content were taken from the procured samples and were correlated with the data from GATS-2 survey to arrive at the final results.

Prevalence of Tobacco Use

Current tobacco users in Chhattisgarh- 39.1%
Current Cigarette smokers in Chhattisgarh- 1.8%
Current Bidi smokers in Chhattisgarh - 4.1%
Current SLT users in Chhattisgarh - 36.0%

*Source: Global Adult Tobacco Survey II: India 2016-17 Report



Plastic waste produced by tobacco use is equivalent to 2.33 million standard plastic buckets

0.46 million trees are cut annually to be used for Paper packaging, with waste equivalent to the weight of 25.01 million notebooks



Key Findings

Total Annual Plastic Waste

- Cigarettes - 19.06 tonnes
- Bidis - 82.02 tonnes
- Smokeless Tobacco - 2232.39 tonnes.
- Total annual plastic waste - **2333.47 tonnes.**

Total Annual Paper Waste

- Cigarettes - 293.51 tonnes.
- Bidis - 69.8 tonnes.
- Smokeless Tobacco - 1801.13 tonnes.
- Total annual paper waste - **1870.94 tonnes.**

Total Annual Foil Waste

- Total annual foil waste (Cigarettes) - **56.75 tonnes**

Total Annual Filter Waste

- Cigarettes - 12.25 tonnes.
- Bidis - 0.44 tonnes.
- Total annual filter waste - **12.68 tonnes**

Total annual waste by all tobacco products in the state

Cigarettes - 381.58 tonnes
Bidi - 152.25 tonnes
Smokeless Tobacco - 4033.53 tonnes
Total - 4567.36 tonnes