COLLECTIVE ACTION by Tourism Partners around Protected Areas for sustainable Solid Waste Management

with



around the Corbett Landscape



Who We Are

Waste Warriors is a non-profit organisation and a registered society with a mission to provide sustainable Solid Waste Management solutions to improve our Environment, Health and Quality of life.



We do this through:

- 1. Direct Action
- 2. Awareness-Raising
- 3. School Education
- 4. Community Empowerment
- 5. Policy Advocacy
- 6. Government & CSR Partnerships



Waste Warriors Projects



Dharamsala, Himachal Pradesh since 2009

Dehradun Uttarakhand since 2009

Corbett Landscape Uttarakhand since 2013

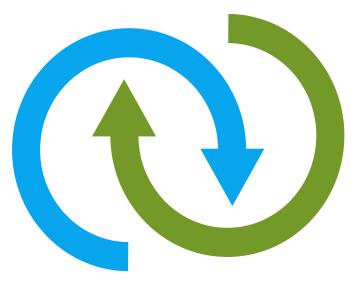
Event Waste Management



4,04,193 kg

Amount of Solid Waste collected and sustainably processed by the Waste Warriors Corbett team from October 2013 to March 2019

Till March 2019, our team has collected, manually segregated, transported, stored & disposed approx. 10,000 kg of waste per month from over 40 locations including 2900 members, with homes, shops & schools.



Our work not only helps communities around the Corbett Landscape but also the lodging providers and over 5,00,000 tourists who visit the Tiger Reserve annually.

Needless to say, the scores of silent inhabitants of Corbett Tiger Reserve will be forever grateful.



Why Protected Areas?







Because they NEED your attention!



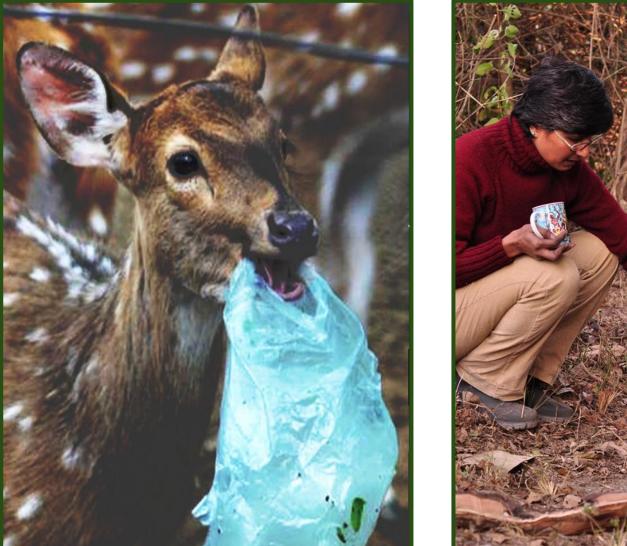


Image: Danya)

Animals are dying from eating plastic.

WASTE WARRIORS



Even the rarely sighted Ibisbill has plastic around it!





Tourist vehicles and park jeeps being washed in forest streams are regular sightings.





Piles of dumped waste burning along forest and village peripheries are disturbingly familiar sights.

VASTE WARRIORS



India now generates a whopping 1.69 lakh tonnes (that's 169 million kgs) of municipal solid waste, every single day!

Around 70% is collected, but less than 25% is actually processed. (Source PIB 2016)



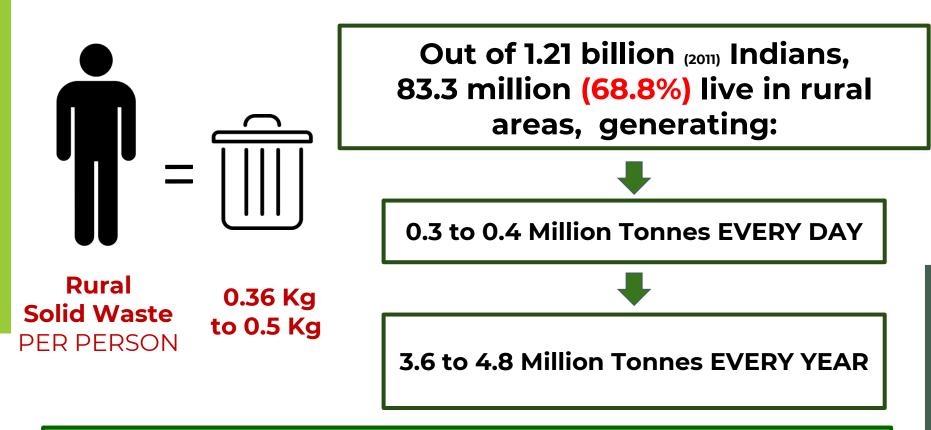


What will be left of wildlife and tourism if we continue like this?

VASTE WARRIORS JOURNEY OF WASTE IN INDIA







At current rates, rural India will need 100 acres of landfill space, 1 metre high, EVERY DAY! That's about 12% of Corbett Tiger Reserve, EACH YEAR!

*Source: Solid Waste Management in Rural Areas A Step-by-Step Guide for Gram Panchayats & 70% Indians live in rural areas: Census by Business standard



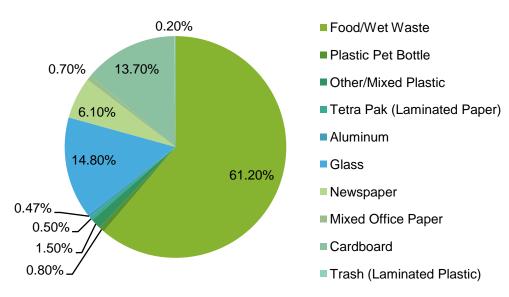
Waste Generation in Hotels

A hotel guest can produce 1 kilogram of waste a day. With thousands of guests in Corbett's hotels, that accumulates to thousands of tonnes of waste annually.

Waste in the Hospitality Industry:

(by weight %)

Food/Wet Waste: 61.2% Glass: 14.8% Cardboard: 13.7% Newspaper: 6.1% Other/Mixed Plastic: 1.5% Plastic PET Bottles: 0.8% Mixed Office Paper: 0.7% Tetra Pak: 0.5% Aluminum: 0.47% Non-recyclables: 0.2% (laminated plastic)



Characterisation of waste

Source: Omidiani, A., & Hashemi Hezaveh, S. (2016). Waste management in hotel industry in India: A review. International Journal of Scientific and Research Publications, 6(9), 670-680.

Effects of Poor Solid Waste Management





Health Hazards









What can you do?

- 1. Manage your own waste properly. This will also reduce your carbon footprint and make your business more profitable.
- 2. Give back to the community and manage the cleanliness of public areas, 10m around you. INVOLVE the community through cleanups and awareness-raising sessions. Work together and introduce low-cost techniques to create micro processing centres.
- 3. Spread awareness by talking about your experience and encourage others to follow your example. Sensitise your staff, your guests, local authorities, visiting drivers and other travellers.



Waste Hierarchy





USE sustainable REUSABLE products



AVOID cheaper single-use disposable plastics



SEGREGATE solid waste AT PRIMARY SOURCE to maximize recycling



Organic, Horticulture & Food Waste

Reusable & Saleable Waste Sanitary & dirty / unusable recyclables

USE LABELLED DUSTBINS



Food and Horticulture Waste

Fresh grass clipping and garden trimmings

> Leftover food, vegetable and fruit peels

Manure (chicken, horse, ra bbit or cow)

Fish & meat bones Egg shells

> Coffee grounds, filters and tea bags



Dry grass and leaves

Dry twigs, branches, straw and sawdust

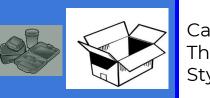
Hair clumps and nails

Food stained paper or napkins

Floor sweepings and dust



Dry Recyclable Waste



Cardboard, Thermocol and Styrofoam

SAUCE Plastic Bottles 201125-045 and Containers Aluminium, Tin and Metals Newspapers Old/torn Clothes Broken Glass and **Glass Bottles** Fused Bulbs, Tube Lights, Batteries Cigarette 1000 Butts, Tyres and Rubber Broken Electronics Chips, Chocolate Plastic Bags and Wrappers & Tetra Milk Packets Pak



Dry Non-recyclable Waste





Used Tissue Paper or Cloth with sanitary waste, blood, puss, snot or any other human discard.



Medical Waste



Soiled Diapers/Pads or any other type of sanitary waste



Dirty, old or unusable recyclables



What To Do With Dry Waste?









5 MAIN EXPENSE HEADS for SOLID WASTE MANAGEMENT

 AWARENESS RAISING (IEC): includes awareness resource materials for like leaflets, signboards, posters, books, props, etc.
MANPOWER: includes wages for managers, trainers, awareness staff, administration, waste handlers, drivers, etc.

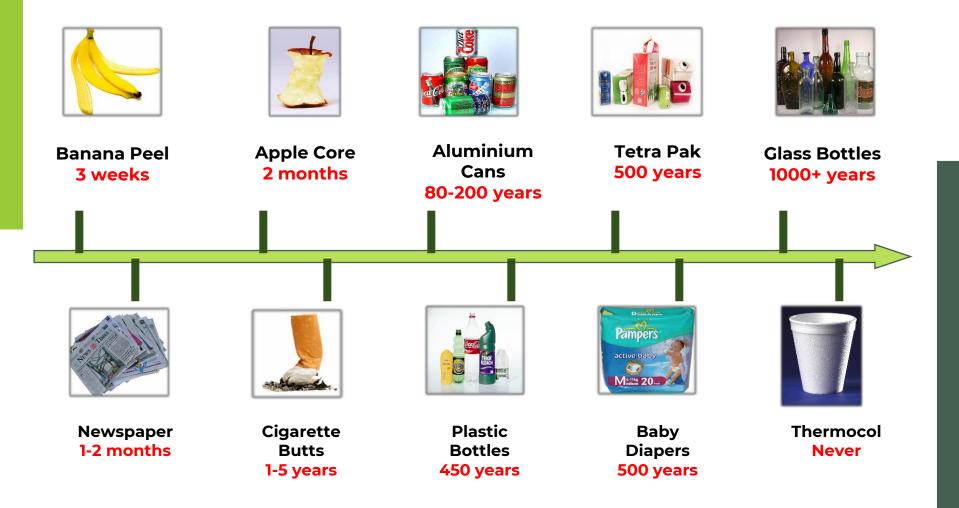
3. EQUIPMENT: includes costs of gloves, bags, bins, labels, litterpickers, record-keeping stationery, uniforms, shoes, composting materials, etc.

4. TRANSPORT: includes cost of travel & conveyance for workers to/from work locations, transport of waste to stores, to scrap dealers, or to the dumping ground, etc.

5. STORAGE: includes costs of store rooms, space for segregation, composting, office space, etc.



How Long Does Trash Last





The Best Time To Start Is Now!





CONTACT US FOR MORE INFORMATION



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