



**Project Aim:** It strives towards a zero-waste future to help reduce air pollution and improve health and hygiene.

**Project Team:** Vihaan Agarwal (Founder), Nav Agarwal (Co-Founder), Zarah Gulri, Avanee Dalmia

## What is the problem?

As per sources, in 2001 India generated 46 million tonnes of waste and by 2048 this number is predicted to reach an estimate of 125 million tonnes, making India the largest waste contributor of the world. In September 2017, 2 people died in Delhi due to the collapse of the Ghazipur landfill fire. Over 3000 deaths occur due to air pollution in Delhi. The major problems affecting solid waste management are unscientific treatment, improper collection of waste, and ethical problems. This in turn leads to hazards like environmental degradation, water pollution, soil pollution, and air pollution. It is time for each one of us to act. It is time for each one of us to act. OSG, a youth-centric initiative trying to solve the problem through some innovative means with help of children.

11 SUSTAINABLE CITIES AND COMMUNITIES



6 CLEAN WATER AND SANITATION



13 CLIMATE ACTION



OSG Team

## How the problem is solved?

- OSG is spreading awareness and offering training to households, to students and teachers in schools and universities, to corporates, communities and RWA's
- Started a pilot with 50 homes, and scaled it to over 450 homes in 5 colonies
- Tool-kits developed for awareness and implementation such as visual charts, boxes, bags, stickers with content in English and Hindi and made out of recycled materials
- OSG is doing monthly door-to-door pick-up service for the dry recyclable waste and pays for the waste and responsibly recycles it too with the help of a professional recycler

## Engagement - Highlights

- Engaged with school students by delivering workshops, talks and presentations.
- Training conducted at The Shri Ram School, American Embassy School, University Of Pennsylvania Alumni Event in Delhi
- Awareness drive at Italian Embassy Cultural Centre, Earth Mela
- Regular waste pickups from homes - over 450 homes
- Engaged with resident communities/societies by conducting workshops
- Corporate engagement at Transport Corporation of India, Max Ventures and Industries
- Leveraged social media for creating awareness of the cause. Some leading news papers covered the story of OSG which helped in mass communication

## Digital Communication Channels

**Website** - [www.onestepgreener.org](http://www.onestepgreener.org)

**Facebook** - [www.facebook.com/1stepgreener](http://www.facebook.com/1stepgreener)

**Instagram** - [www.instagram.com/onestep\\_greener](http://www.instagram.com/onestep_greener)

**Youtube** - <https://bit.ly/2UHYqrV>

## Learnings

In my experience so far I have learnt that passion surpasses all the excuses and if there is a will there is a way. The special memory through my experience that I cherish, even though its constantly occurring, is when adults come upto me, tell me, that they have learnt something from me. Have a passion for what you are doing, and don't give up just because no one takes you seriously at first, would be my message for youngsters. Yes it has changed me and taught me how to look at the problem in different perspectives and how people's lives have been impacted by this initiative. Peoples biases and understanding where they came from has helped me widen my understanding further. I along with my team members have learnt the science behind waste segregation and its effect, team working, community building, communication and presentation skills, time management, how to handle social media effectively, art of fund raising.

## Testimonial

I always knew waste segregation is must in today's world but always wanted someone at my home should come and train me and my family members so that I can make my home zero waste. When Vihaan, a young boy with him team of volunteers started this in Delhi at our locality, I got interested. I never imagined young school going students can take up this issue so seriously and professionally. Vihaan explains it so simply the importance of solid waste segregation and its impact. Slowly like me, many residents of the community got interested. The best part of this initiative is that, apart from awareness, there is direct on ground implementation work. Once I have registered with One Step Greener, they have given me segregation boxes and weekly pickups happens which is managed very professionally. I get regular updates and notifications of the pickups making this entire process so smooth and easy. I now feel because of the initiative started by Vihaan, I am able to make my home zero waste and feel proud that I am making this globe a better place to live. - **Gurpriya**

**Bagga, Beneficiary**



**OSG Training Session**



**OSG Chart**

## Impact

Till March 2019, OSG has managed to get over 350 households involved in 5 colonies, and taught them how to segregate dry waste and sell it to OSG. Together they have approximately recycled over 17056 kgs of paper, 8100 kgs of cardboard, over 3355 kgs of plastic, 1521 kgs of metal, 5079 pcs of glass, 900 kg e-waste. Thus saving an equivalent of 324 Trees, 23878 ltrs of oil, 443456 ltrs of water, 4264 pounds of carbon dioxide, 85 cubic meters of landfill space and electricity enough to power 25584 average Indian households.

## Future Plans

- Scale up in different residential community and schools of delhi
- OSG working on a curriculum on waste sensitization for middle school students which will be implemented in over 800 + CBSE schools across Delhi, reaching a minimum of 400,000 students.
- Plan to do awareness workshops in different parts of India
- Develop handbook, app, scale up logistics



**OSG Community Connect**