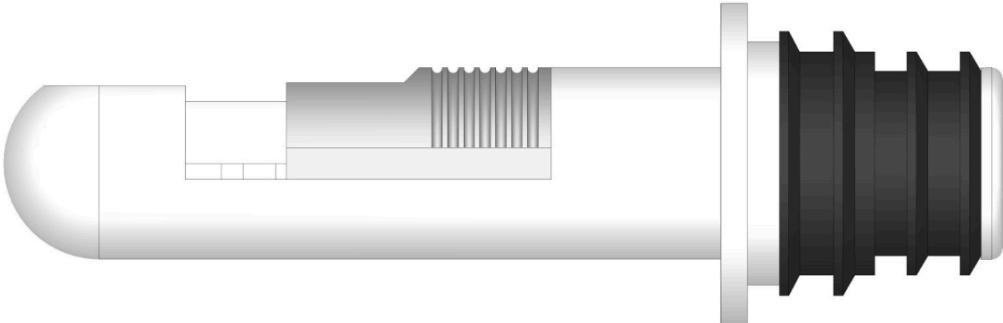


# BYEBYELOTA

A PORTABLE, SUSTAINABLE, AFFORDABLE SOLUTION TO INDIA'S SANITATION CRISIS



## DAKSH WASH WELL FOUNDATION

**CLEAN HANDS. CLEAN HABITS.  
CLEAN FUTURE**

AN INITIATIVE BY:

DAKSH PRUTHI

MODERN SCHOOL VASANT VIHAR

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+91 97113 50183



प्रवेश साहिब सिंह  
Parvesh Sahib Singh  
कैबिनेट मंत्री राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार  
Cabinet Minister Govt. of NCT of Delhi

D.O. No.: minPWD/13397

Date.: 22.08.2025

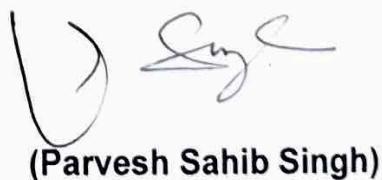
### To Whom It May Concern

I recommend the work of Mr. Daksh Pruthi, for his noteworthy contributions in the field of sanitation and public health.

I have been informed that his invention has already been deployed in factories and low-income settlements across Delhi-NCR, where it has significantly improved hygiene practices and reduced sanitation-related illnesses.

In order to scale this impact, Daksh is now working in collaboration with the Municipal Corporation of Delhi also, to undertake mass distribution drives in the slum areas of Delhi. These efforts aim to provide access to hygienic and water-efficient sanitation facilities for families most in need, and directly complement government programmes aimed at improving sanitation infrastructure and public health outcomes.

I thus recommend him the best opportunities for that will enable him to further his academic and professional pursuits.



(Parvesh Sahib Singh)

मंत्री—लोक निर्माण विभाग, विधायी मामले, सिंचाई एवं बाढ़ नियंत्रण, जल, गुरुद्वारा चुनाव  
Minister of Public Works Department, Legislative Affairs, I&FC, Water, Gurudwara Elections

Camp Office: 20, Windsor Place, New Delhi-110001 Ph.: 011-23724988, E-mail: [parveshsahibsingh@gmail.com](mailto:parveshsahibsingh@gmail.com)

# THE PROBLEM

**525,000**

**10 million**

**3 million**

children under 5 die annually due to diarrheal diseases.

annual cases of typhoid

annual cases of cholera



**5,14,052**

annual diarrheal cases in Delhi



**21,000**

related deaths annually



**₹163-3,823**

treatment cost per case



**80%**

don't use soap after defecating

## Globally, over 2 billion people still lack access to toilets.

In the urban slums and underprivileged areas of India, residents lack access to appropriate sanitation facilities such as health faucets (jet sprays) or handwashing facilities. Thus, they have to use their bare hands and "lotas" (pots of water) for post-defecation cleansing.

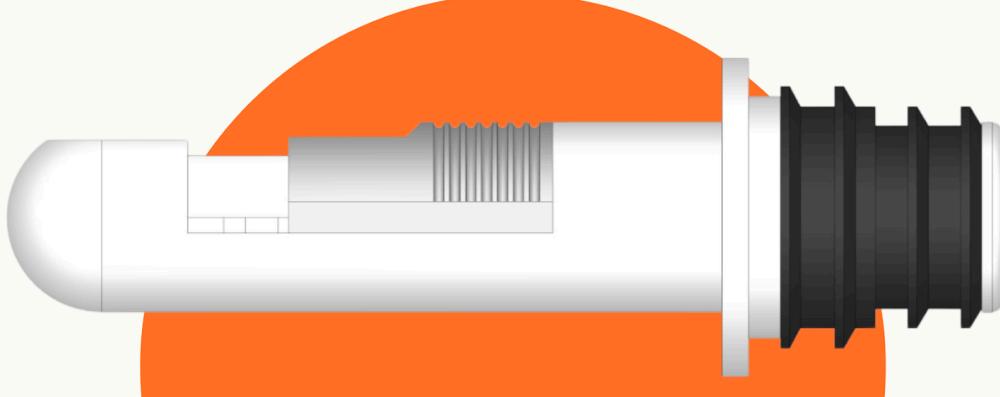
These same hands, which become carriers of contagious bacteria and pathogens, are then used to prepare food, nurture children, and perform daily activities, causing an increase in the number of diarrhoeal disease cases and deaths.



# THE SOLUTION

Introducing

## BYEBYE LOTA



### A LOW COST, SUSTAINABLY DEVELOPED, PORTABLE FAUCET

BYEBYELOTA IS A PATENT PENDING LOW COST, SUSTAINABLY MANUFACTURED PORTABLE DEVICE THAT REPURPOSES SINGLE USE PLASTIC BOTTLES TO ACT AS A HEALTH FAUCET FOR POST DEFECATION CLEANSING.

THE DEVICE COMPLETELY ELIMINATES THE DIRECT CONTACT OF HANDS WITH THE VARIOUS BACTERIA AND CONTAMINANTS IN THE FAECES, THUS FIGHTING THE ROOT CAUSE OF DIARRHOEAL DISEASES

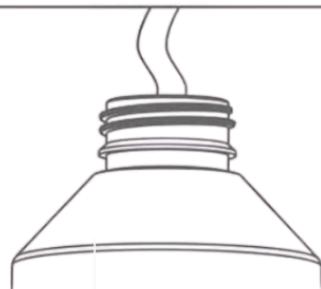


# BYE BYE LOTA



## STEPS TO USE

1



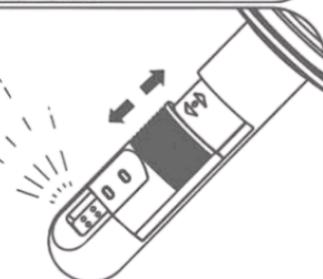
Clean the water bottle ( $\Phi 28\text{mm}$  or  $\Phi 30\text{mm}$ )  
Fill with appropriate clean water

2



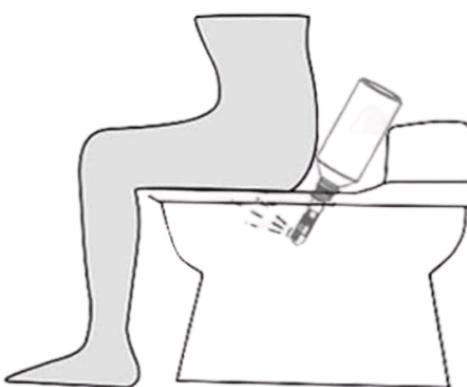
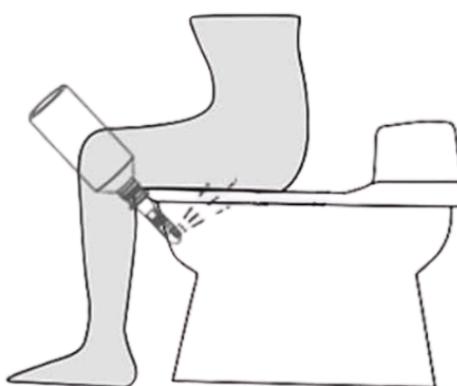
Put the body purifier onto a water bottle  
filled with water

3



Sliding cover can  
adjust the number  
of water outlets

Squeezing mineral water bottles can  
achieve water spray flushing



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BYE BYE  
LOTA

# PRODUCT SPECIFICATIONS

## Key Components of the Prototype

### 1. Spray Gun:

- a. Features three nozzle variations to suit different water pressures and preferences.
- b. Built from recycled ABS plastic – lightweight, long-lasting, durable

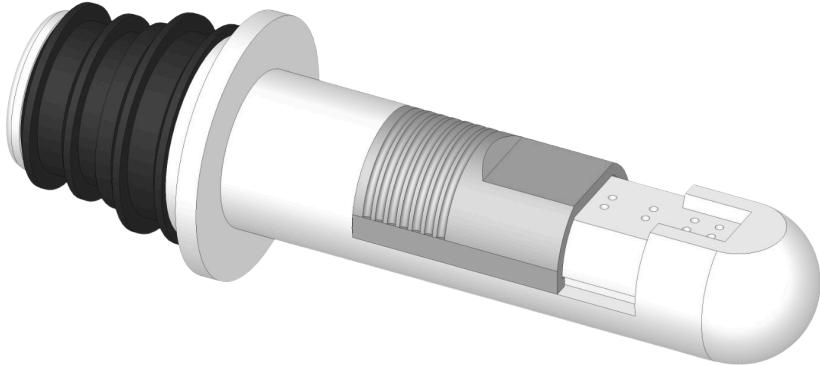
### 2. Washer / Grommet:

- a. Ensures a tight, leak-proof seal between the bottle and nozzle.
- b. Manufactured with recycled TPE ( thermoplastic elastomer )

### 3. Shutter Mechanism:

- a. Allows users to control water flow and spray settings with ease.
- b. Ergonomically designed for comfort and simplicity.

MANUFACTURED WITH RECYCLED MATERIAL AND ANTIMICROBIAL PROPERTIES,  
THIS DEVICE IS A SUSTAINABLE PRODUCT, ALSO BENEFITTING THE ENVIRONMENT  
BY REPURPOSING SINGLE USE PLASTIC BOTTLES.



## Inception of the Solution:

The idea for ByeByeLota was born out of a simple but urgent question: How can we make hygiene **safe, affordable, and accessible** in communities where sanitation is broken?

This journey began with a deep dive into rural sanitation challenges and their devastating impact on health. I studied existing technologies and assessed them on four critical factors:

- Cost – must be affordable for the masses
- Ease of use – intuitive and simple
- Cultural acceptance – aligned with everyday habits
- Health impact – proven to reduce disease transmission

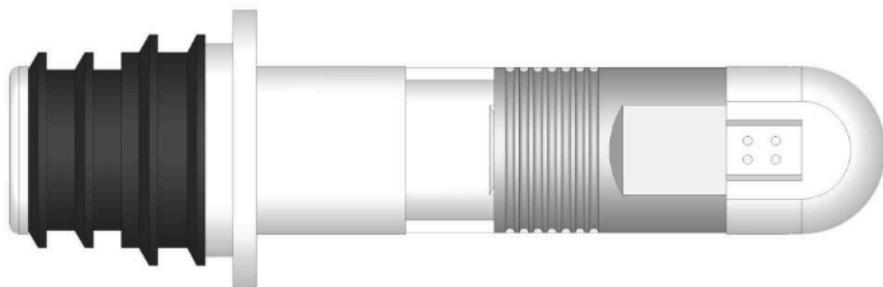
From this research, I envisioned a portable faucet: compact, lightweight, and universally compatible with any standard 20mm water bottle – designed to bring dignity and hygiene within everyone's reach.

# ByeByeलोटा

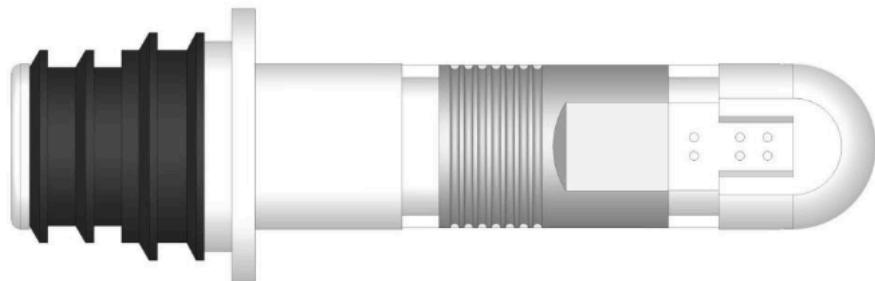
A Sustainable, Portable Solution To A Life Threatening Problem

## NOZZLE VARIATIONS

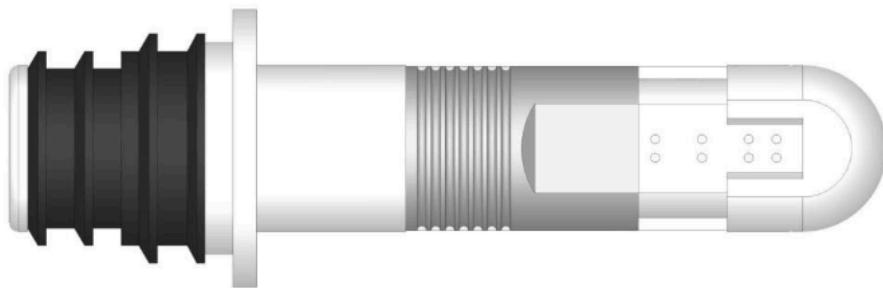
NOZZLE VARIATION 1 : 4 HOLES



NOZZLE VARIATION 2 : 6 HOLE



NOZZLE VARIATION 3 : 8 HOLES



## VIDEO LINKS

<https://www.youtube.com/watch?v=SeY9lv6bCKc>  
<https://www.youtube.com/watch?v=vh3o0jLSQrE>

# IMPACT & OUTREACH

## DAKSH WASH WELL FOUNDATION

# Mission

**Aim to Decrease the Incidence of Diarrheal Diseases and Related Deaths in Urban Slums of India**

- **Educate** Residents on Appropriate Hygiene and Sanitation Practices.
- **Eliminate** the Use of Traditional Lotas and Hands for Post-Defecation Cleansing.
- **Envision** the Byebyelota Device as a Staple in Every Household Across the Country, Transforming It into a Daily Essential, Much Like Sanitary Pads.

## INITIAL PILOTS, IMPACT, AND OUTREACH

REGISTERED DAKSH WASH WELL FOUNDATION AS A NON PROFIT ORGANIZATION,  
“BYEBYELOTA” HAS BECOME A FLAGSHIP INITIATIVE OF THIS FOUNDATION

**20+**

HYGIENE AWARENESS  
WORKSHOPS CONDUCTED  
IN URBAN SLUMS

**1500+**

BYEBYELOTA FAUCETS  
DISTRIBUTED FREE OF  
COST

**11000+**

UNDERPRIVELEGED  
PEOPLE POTENTIALLY  
BENEFITED

### BYEBYELOTA HYGIENE DRIVES:

- Distribution of BYEBYELOTA device
- Bathroom visits to analyze toilet condition
- Survey forms
- Hygiene awareness workshop
- BYEBYELOTA Demo

### WORKSHOPS CONDUCTED IN:

- Urban Slums/Bastis Delhi NCR
- Collaborations with NGOs
- Interact clubs Rotary
- Manufacturing Plant Housing Communities



# FUTURE VISION

**Antimicrobial Enhancement:** We are exploring advanced germ-shield additives to improve hygiene and durability. However, these are currently expensive due to import dependency. Our goal is to develop cost-effective, locally sourced alternatives – supporting both affordability and India's Make in India mission.

## Scaling & Expansion

- **Corporate Social Responsibility:** Having already raised funds from the CSR initiative of an OEM Manufacturing company, we aim to connect with more companies willing to contribute to this initiative.
- **Government Support:** We aim to leverage funding, distribution and scaling opportunities to strengthen research, production and ensure BYEBYELOTA benefits every household in the country.

## Commercial Viability

- **Urban Market Adaptation and Cross-Subsidy Model:** In the near future, we plan to reinvest profits generated from the urban market to subsidize rural distribution, ensuring accessibility for low-income families.
- **Self-Sustaining Impact:** This dual-market strategy will help ByeBye Lota evolve into a social enterprise that sustains itself financially while delivering large-scale public health benefits.



# BYEBYELOTA



## DAKSH PRUTHI

With a stellar 98.8% in the AISSE Grade 10 CBSE Board Examination, Daksh Pruthi has demonstrated exceptional academic ability, complemented by multiple international STEM Olympiad achievements and top rankings in innovation challenges and pitch competitions.

Daksh channels his academic excellence into addressing real-world challenges through social entrepreneurship. He founded the Daksh Wash Well Foundation, whose flagship initiative ByeByeLota - a low-cost, sustainable, and patent-pending healthcare faucet - has already distributed over 3,500 units, positively impacting more than 30,000 lives. The initiative has earned numerous awards and recognition. Daksh is now engaging multinational corporations to allocate CSR funds to scale the project nationwide, with the vision of enabling underprivileged communities to live free from sanitation-related diseases.

In alignment with the Prime Minister's Swachh Bharat Mission, Daksh collaborated with IIT Delhi to develop an AI- and ML-integrated waste segregation bin, capable of sorting waste according to recycling processes. Over the past two years, he has further deepened his expertise through prestigious IIT Delhi internships and international programs, receiving training in diverse technologies such as material science and innovative product design.

Daksh's commitment to social innovation is also rooted in personal experiences. While volunteering as a scribe for differently abled students during examinations, he realized the joy in extending a helping hand to those in need. These moments reinforced his belief that technology, empathy, and education together can drive change, a vision he hopes to bring to the nation.

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