

# गांधी छडी *A Waste Pricker*

**Innovation for waste collection.**



***Patent A.No.1238/MUM/2014***



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# Problem with Plastic Waste

- Major problem of plastic waste in the form of plastic pouches, small and big plastic bags, carry bags etc.
- Rag pickers pick only large sized and heavy gauge plastic bags
- Municipal workers only sweep waste from hard surfaces, but cannot collect waste from soft areas



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# Problem Definition: Troubled areas



Empty unconstructed plots



Waste trapped in bushes

**Unattended empty spaces and difficult to access areas are full of waste. These are common sites in almost all cities and towns.**



Road-sides and gutters.

# Problem Definition: Troubled areas



**Wet areas: Leaking pipelines, overflowing gutters.**



**Who will put hand in this area to gather the plastic waste? All this waste finds its way in gutters and drains blocking them and causing all menace.**

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# Problem Definition: Troubled areas



Polluted Beaches



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# Status of River "Ganga" banks in Varanasi.



Challenges for Clean Ganga project of GoI



## Status of India's Treasures

**We need to change all this.**



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# Problem definition: Summarised

- Cannot sweep plastic waste from the areas where the base surface is soft or soggy.
- Cleaning river banks and beaches is a tough task.
- Picking plastic from bushy, thorny areas is not practicable and is never picked up.
- Plastic and paper waste in wet, soggy, dirty areas are not picked up by rag pickers and sweepers. Nobody will like to put hand in such dirty areas.
- Small sized plastic bags, pouches etc. are not picked by the rag pickers as it can't earn him a day's wage.
- Cleaning plastic waste from beaches and river banks is difficult.



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# *The Solution:* गांधी छडी

This can be used to collect large quantities of plastic, paper, cloths/textile and similar waste in short time, without dirtying hands.



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# *The Solution:* गांधी छडी

Please view this short 30 second view to see the Gandhi Chhadi in use.

<http://bit.ly/1O12BBc>

The device has an amazing potential to for use in Swachh Bharat Abhiyan



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# Features of गांधी छडी

- **Comfortable.** Collecting plastic in standing posture instead of bending
- **Hygienic.** No dirtying hands to pick plastic from wet, soggy areas, gutters, river banks and beaches.
- **Low-cost.** Landed cost of the unit is less than Rs. 300/- only.
- **Light-weight.** Weight of 'Gandhi Chhadi' less than 400 gms.
- **No maintenance.** Screw is only consumable item. Cheaply available at Rs. 2 per piece or so.



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# *Who must use* गांधी छडी ?

- Municipal cleanliness workers
- Ragpickers
- Cleanliness drives and CSR projects
- Volunteers cleaning forests, beaches, river banks, etc.

**Gandhi Chhadi is a simple yet revolutionary tool for Swachh Bharat Abhiyan**



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# *Projects of* गांधी छडी

- Innovator with three of his friends could clean and make 'Laling Fort' (near Dhule city) plastic free in less than one hour on Gandhi Jayanti, 2<sup>nd</sup> Oct. 2014. Three big bags full of plastic waste were collected. Idea propped up about naming the innovation and there could not be a better name than 'Gandhi Chhadi'



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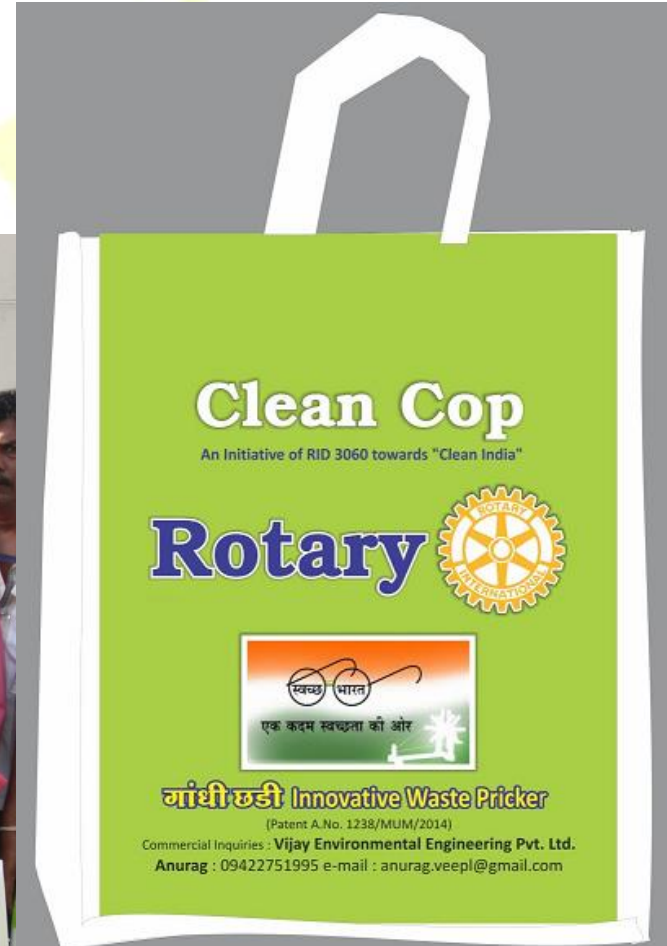
# Projects of गांधी छडी

- Gandhi Chhadi being used and appreciated by Collector, Municipal Commissioner in cleanliness drive at Govt. hospital, Dhule with municipal cleanliness workers



# Projects of गांधी छडी

- Rotary district 3060 has distributed 1000 Gandhi Chhadi in 85 different cities as part of its Clean Cop campaign.



# गांधी छडी *In 'Sinhasth' Kumbh Mela 2015 in Nashik*

- 400 Gandhi Chhadi are being used for waste collection in Sinhasth Kumbh Mela in Nashik. It has been used and appreciated by Guardian Minister (Nashik), Collector, Municipal Commissioner and SP. Donated and endorsed by Builder's Association of India (Nashik).





# ***Manufacturing Licensees*** गांधी छडी

## ***IP rights are licensed to following agencies***

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# Thank You.

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