

CLEAN INDIA BEAUTIFUL INDIA

A Complete Garbage Management Solution



Designer and Author:

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CLEAN INDIA

BEAUTIFUL INDIA

Only by using

Closed and Elevated Garbage Bins

Easy to Install

The Right Choice

Easy to Use

Easy to Maintain

Scientific Design

Less Expensive

Keeps Garbage Confined

Clean Surroundings

Disease Prevention

Made of Steel

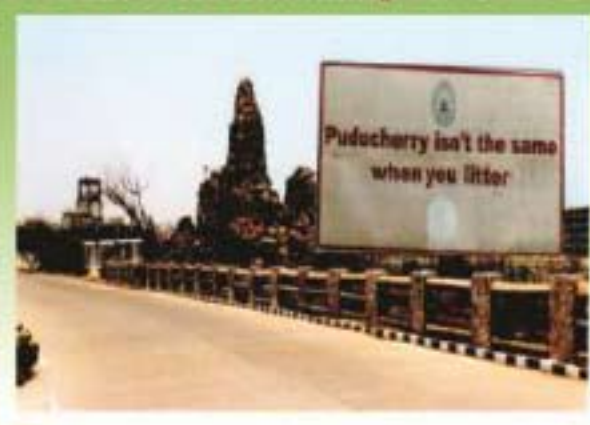


The Right Garbage Solution

Together, Let's make India as clean as these places...



Park on old garbage dump at Gomti river, Lucknow



Beachfront road on old human evacuation place, Puducherry

Better Health & Well being for the People of India

The Right Garbage Solution Items

Large Bin for 300/400 homes

This bin directly discharges into a lorry and is meant for wide roads, big housing complexes, large vegetable markets, large hotels and large hospitals. This bin has a sloping top and base for full utilization of the space & ease of flow of garbage; thus emptying time will be short.

Dimensions: Height: 3,800 mm (12 ft - 6 in),

Width: 2,345 mm (7 ft - 8 in), Depth: 1,905 mm (6 ft - 3 in)

Estimated Price: Rs.50,000 - Rs.55,000



Capacity: 2 cu mt (70 cu ft)

Weight: 680 Kg (1,275 lb)

Mid-Size Bin for 50/80 homes

This bin is used for small housing complexes, schools, parks, nursing homes, bus and train stations, small markets, temporary fair grounds & gathering places, and small towns & villages.

Dimensions: Height: 1,780 mm (5 ft - 10 in), Width: 645 mm (2 ft - 2 in), Depth: 645 mm (2 ft - 2 in)

Estimated Price: Rs.10,000 - Rs.12,000



Capacity: 0.31 cu mt (10.5 cu ft)

Weight: 95 Kg (202 lb)

Covered Hand Cart with Removable Basket

Garbage from the mid-size and swivel-emptying bin will be unloaded into the removable light weight basket of this hand-cart with a cover and then dumped into a lorry. This will not require unloading of garbage on the road and refilling cane baskets. These carts will be useful in narrow roads with clustered houses where lorries cannot enter.

Dimensions: Basket: Height: 250 mm (10 in), Width: 490 mm (1ft - 7 in), Depth: 340 mm (1 ft - 1.1/2 in)

Estimated Price: Rs.3,000 - Rs.4,500



Capacity: 0.043 cu mt (1.5 cu ft)

Weight: Entire Cart: 24 Kg (45 lb)

Swivel-Emptying Bin for road sides

This is a small bin mounted on a pole or set upright on walls. The bin can be emptied by turning it upside down. Placed 100 metres apart, it will enable pedestrians to throw papers, groundnut shells, bidi and cigarette butts and tit-bits and keep the roads clean.

Dimensions: Height: 1,530 mm (5 ft), Bin: Width: 350 mm (1ft - 2 in), Height: 475 mm (1ft - 8 in), Depth: 250 mm (10 in)

Estimated Price: Rs.1,200 - Rs.1,500



Capacity: 0.035 cu mt (1.2 cu ft)

Weight: Including Stand: 5 Kg (10 lb)

How Do These Bins Keep Cities and Surrounding Areas Clean?

- ✓ Garbage remains confined, no foul smell and no spillage on road, no access to animals, birds and rag-pickers; no breeding of mosquitoes, flies, rats, cockroaches and other pests.
- ✓ No spreading of garbage due to wind and rain, no clogging of sewage entry points, hence less water-logging, no water damage to adjoining buildings, minimizing traffic jams.
- ✓ Reducing water-borne diseases by preventing contamination of underground water due to a not commonly known poisonous liquid 'leachate' which oozes from wet garbage.

Additional Advantages

- ✓ Easy to clean, repair and paint, even the underside.
- ✓ Better working conditions for garbage-handlers.
- ✓ Easy to manufacture, creating big job opportunities for unemployed youths.
- ✓ Well designed bins have given huge savings in material and labour costs.
- ✓ Flat-pack design used for ease of transportation, assembly and dismantling.

Garbage Utilization: Sanitary Landfills

Methane, a fuel gas can be extracted from sanitary landfill garbage. Indian cities generate 1,000 to 7,000 tons of garbage daily. One kilogram of biodegradable garbage produce about 5 cu. ft. of methane. Methane can be sold for household use, thus utilizing bio-degradable garbage productively.

Good Source of Revenue Generation:

For the Large Bin, Three spaces of 1,500 mm x 600 mm (6 ft x 2 ft) and for the Mid-size Bin, Two spaces of 620 mm x 620 mm (2 ft x 2 ft) can be used for advertisement.

Follow Singapore's Successful Garbage Solution Model:

First, municipalities must provide the necessary facilities; then inform and educate the public and finally enforce laws strictly.

Availability: With written consent from Ganga Narayan Ghosh or following representatives in India. These bins can be made by any supplier of the user's choice.

Eastern India: Dr. Amulya Mandal: Tel: 94339-57671 E-mail: akn_60@rediffmail.com

Ms. Karabi Mukherjee: Tel: 98307-79972 E-mail: mukherjee.karabi12@gmail.com

Saikat Ghosh Roy: Tel: 87503-99936 & 90383-47488 E-mail: sgr6714@gmail.com

Western India: Keith Mascarenas: Tel: 98201-37813 E-mail: keithmas@hotmail.com

Gispati Ghosh: Tel: 98198-19908 E-mail: gispatighosh@hotmail.com

Recommended Manufacturers:

GSB Toolcrafts Pvt. Ltd., Howrah. Tapan Pal: Tel: 98309-69482 E-mail: tapanpal62@gmail.com

Vikrant Special Machines Pvt. Ltd., Kolkata. S. Jana: T: 98311-89283 E-mail: info.vikrantspecial.com

Triveni Industries, Mumbai. Manohar Panchal: Tel: 99694-70002 E-mail: keithmas@hotmail.com

These Garbage Containers are already in use at:

Ramakrishna Mission, Belur, New Barrackpore municipality; Cancer Hospital Thakurpukur; & Belgharia; Ramakrishna Vivekananda Mission, Barrackpore; Netaji Subhas Hospital, Madhyamgram; Gandhi Memorial school, Barasat; Bharat Sevasram Sangha, Kolkata.

Two fiberglass containers are in use at Ramakrishna Mission, Belur since 1983.

For further facts and unknown harms and solutions, please refer to Mr. Ganga Narayan Ghosh's extensively researched forthcoming book, '**GARBAGE SOLUTION.**'

CLEAN INDIA



BEAUTIFUL INDIA



Multi- advantageous Garbage Bins
available in 3 sizes



USE OF CLOSED & ELEVATED GARBAGE CONTAINERS AND REGULAR REMOVAL OF GARBAGE TO SANITARY LANDFILL WILL MAKE OUR COUNTRY CLEAN. THERE IS NO ALTERNATIVE.

The Complete Garbage Solution is Essential!

Introducing the Designer and Author:

Mr. Ganga Narayan Ghosh

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Mr. Ghosh is a Mechanical Engineer, 1952 batch, Jadavpur University, Kolkata, volunteer researcher for over 25 years on every aspect of garbage to make Indian cities and surrounding areas clean.

He is the Founder-Secretary of MARCH TOGETHER, a non-profit organization incorporated in Texas, USA working on Preventive Public Healthcare & Employment Generating Vocational Training for India.

He has travelled to 186 Indian cities & 80 foreign cities of six continents and has observed garbage management closely. He recommends the successful model used by Singapore that transformed the city to one of the cleanest cities of the world in just six years.