



**CONSTRUCTION & DEMOLITION
WASTE RECYCLING PLANT**



Construction & Demolition Waste

OVERVIEW

DUROMECH's C&D recycling equipment utilizes a number of different devices to separate these materials by type. This process includes grinders, screens, shredders, automatic optical sorting, air and water separators, & manual sorting to reduce the volume of waste & separate each commodity.

Once separated, these commodities are bundled & sent to paying markets for reuse rather than being sent to a landfill. The DUROMECH'S construction & demolition processing systems are constructed to be the most efficient and low-cost C&D recycling equipment on the market. They are heavy duty systems that can withstand the large volume and high weight of materials involved in demolition recycling

Each plant we design includes a variety of processing phases depending on your specific requirements:

1. Feeding & pre-screening
2. Aggregate scrubbing
3. Contaminant removal
5. Sand washing
6. Aggregate sizing
7. Primary stage water treatment
8. Sludge Management



WHAT IS CONSTRUCTION & DEMOLITION RECYCLING PLANT ?

- Construction and Demolition recycling plant usually called C&D Recycling, is created when buildings are destroyed or during the construction process.
- These materials include concrete, metal, brick, lumber, drywall, carpet, pipe, plastic, and other materials used in construction. C&D recycling materials account for around 25 percent of all materials that are processed through recycling centers. While the use of green building techniques has helped to reduce the amount of C&D materials, there is still a large amount of these items that must be recycled, creating the need for advanced construction and demolition processing systems.
- Most often, C&D materials are accepted as mixed recyclables due to the large amount of time it would require to sort them. Construction and demolition recycling requires very heavy duty recycling systems because of the weight and size of the chunks of material.





FEATURES

- Reduces usage of natural resources & enhances conservation
- Reduces sand mining from river beds
- Washing water recycled only 10-15% make up water
- Reduces burden on the land fill sites , saving precious urban land
- Reduces air pollution
- Able to recycle recover about 95% of incoming waste
- A replicable public private partnership model for the country

BENEFITS

Recycle sand and aggregates have a range of uses in a variety of construction application. by introducing our advance processing system for construction, demolition & excavation waste you will :-

- Maximize the recycling of construction ,demolition and excavation waste
- Maximize the production of high quality ,high value recycled sand and aggregates which can be used as a replacement for natural material in a range of construction application including concrete and asphalt production
- Ensure the ability to meet growing demand for sand and aggregates from a sustainable source
- Protecting sand and aggregate supply in areas where natural reserve are in decline
- Minimising transport cost for sand and aggregates recycled materials are typically produced closer to urban centres
- Reduce the carbon footprints of your processing operation by producing recycled sand and aggregates closer to market



Aggregates are sold for use in:

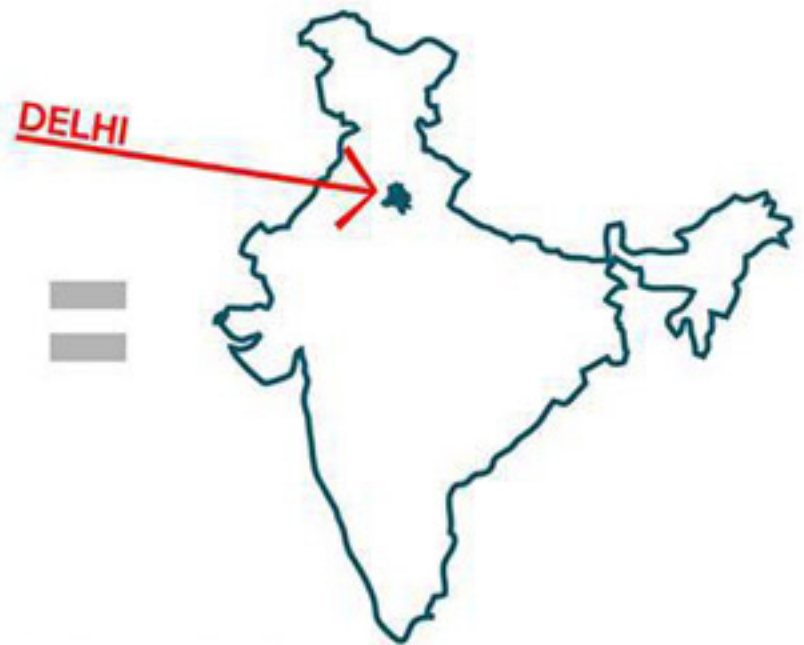
- Concrete Road construction
- Bituminous road construction
- Hydraulically bond road construction
- Ground Improvement
- Earthwork embankments
- Earthwork cuttings
- Shallow Foundation
- Concrete Structures
- Industrial Buildings
- Residential Buildings

THE DRY PROCESSING UNIT OF INDIA'S 1ST, 2ND & 3RD C&D WASTE RECYCLING PLANT IS SUPPLIED BY US

INDIA'S FIRST **CONSTRUCTION & DEMOLITION WASTE RECYCLING PLANT** HAD, AS OF 2014, SAVED THE **YAMUNA AND OVERFLOWING LANDFILLS** OF DELHI FROM MORE THAN 1.5 MILLION TONNES OF DEBRIS!



1.5 MILLION TONNES



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WHAT ABOUT THE REMAINING **10.5 MILLION TONNES** OF DEMOLITION DEBRIS PRODUCED ANNUALLY IN **INDIA?**



10.5 MILLION TONNES

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DUROMECH

M/S Thapar Engineering Works



F-1018, RIICO Industrial Area, Khushkhera,
Bhiwadi Extension, Distt. Alwar, Rajasthan-301707



Plot No.S 15, Street No.12, New Rohtak Road,
Anand Parbat Industrial Area, New Delhi, Delhi 110005



+91 9971 000040
+91 98103 32565



info@duromech.in
duromech@gmail.com



www.duromech.in