Climate Centre for Cities

CLIMATE CENTRE FOR CITIES

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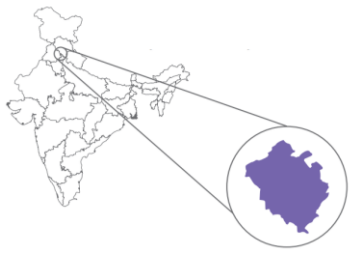
Chandigarh

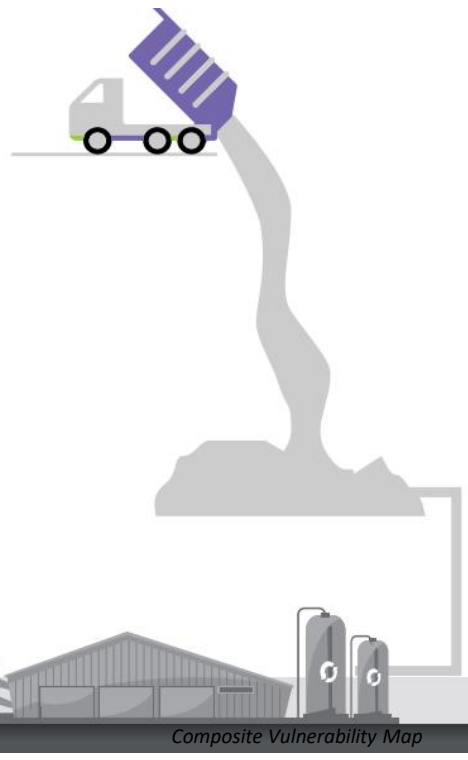
Construction & Demolition (C&D) Waste Management and Utilization of recycled products



Govt. of India has notified CONSTRUCTION DEMOLITION WASTE MANAGEMENT RULE 2016 in which construction building material cement debris, stones etc. is to be reused after recycling. C&D waste should not be dumped in open spaces/landfills grounds without processing.
Chandigarh Municipal Corporation has set up the construction and demolition waste processing plant in its industrial area for stacking, crushing, processing and manufacturing of various C&D products. Till date 5000 MT C&D waste has been processed into recycled products saving natural resources, reducing the quantum of waste reaching landfills. Another major benefit has been the reduction in carbon footprints and hence yielding numerous environmental benefits.

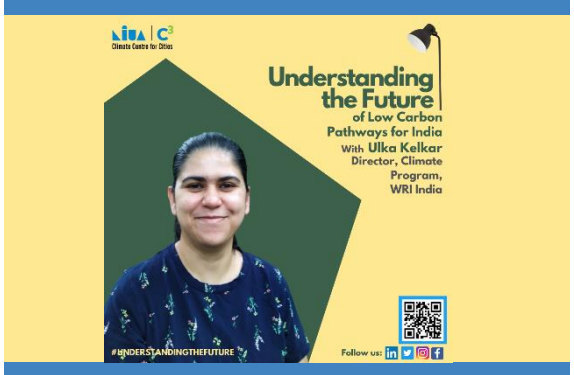
Municipal Corporation Chandigarh has set up the construction and demolition waste processing plant in its industrial area for stacking, crushing, processing and manufacturing of various C&D products. The C&D plant has the following characteristics:

• It has been set up at a very low budget in comparison to other cities across India
• The plant has a capacity of about 150 MT per day for crushing construction waste which can further increase up to 180 MT/day and meet the demand of the Tri-city as well
It produces material which can be utilized for cement concrete works such as washed sand, crushed aggregates of 10 mm,20 mm and 40 mm
• The plant also manufactures road material i.e., PCC kerb, PCC Channel , PCC Tiles , Paver Block etc. at a relatively low cost
• The plant reduces the in house cost of construction by approximately up to 10% and has the tipping charges and processing cost at relatively lower costs than other cities in India
• It provides facility for the residents of Chandigarh to dump their construction waste in authorized manner



Composite Vulnerability Map

PODCAST



Understanding the Future Podcast

On the next episode of Understanding the Future, Climate Centre for Cities brings you the podcast with Ulka Kelkar, Director, Climate Program, WRI India on 'Low Carbon Pathways for India'.

In this episode, we try to understand the various technological, governmental, and behaviour challenges and potential solutions in developing low carbon pathways.

Listen

ANNOUNCEMENTS

Learning Series Session 8 EV Charging Infrastructure Deployment in Cities

C-Cube, NIUA in collaboration with the World Resources Institute (WRI) India is organizing a 10-part learning series which began from 8 July on "Climate Change and Cities". The prime objective of the series is to develop a common understanding of cities around climate change and the role of cities in mainstreaming climate actions. Join Session 8 of the series on 2 September 2021, 3 PM focusing on EV Charging Infrastructure Deployment in Cities.

Register

BLOG

Impacts of a changing climate on water resources – consequences for Indian cities

Water scarcity in Indian cities is caused by a variety of factors, but climate change may be the most important element that exacerbates and accelerates the crisis.

In the C-Cube blog Mr Mukesh Patir, National Project Coordinator CapaCITIES Phase-II writes about Impacts of a changing climate on water resources – consequences for Indian cities

Read

Testimonials

"C-Cube helps cities take definitive steps towards sustainable urban development through CSCAF and capacity building verticals. Curating a training module as part of the capacity building team has given me insights into the methods of effectively engaging with the cities."

Srinidhi Ravishankar
India Smart Cities Fellow

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