

# CONSTRUCTION & DEMOLITION

*Policy Profiling : Matching Policy Gaps With Alternatives*

*~ Prachi Nimkar*



# **CONTENTS**

*With reference to Construction & Demolition*

**I. OVERVIEW OF EXISTING POLICY FRAMEWORK**

**II. FRAMEWORK GAPS**

**III. POTENTIAL ALTERNATIVES**

## OVERVIEW : EXISTING POLICY FRAMEWORK

Construction & Demolition Waste Management Rules 2016

- Focussed on waste management only
- Demolition protocols not standardized as per manually /mechanical force/implosion

Amendment 2018

- Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance:
- What actually happens in EMP ?
- No Quantification

Strategy for Promoting Processing of C & D Waste & Utilisation of Recycled Products  
2018

- to help facilitate the implementation of the C&D Waste Rules 2016
- Adoption of business model & selection by ULB to be done keeping in view capital-intensive infrastructure and high O&M, the PPP model (DFBOT)

CPCB Guidelines 2017

- Prepared in compliance of Rule 10 sub-rule 1(a) of C & D Waste Management Rules, 2016
- Focussed on dust mitigation measures

Supreme Court Orders

• *Refer next slide*

# 2 CASES THAT HIT CITY'S REALTY

## SUPREME COURT

**SEPT 2015** | SC takes up matter based on a TOI report 'Outrage as parents end life after child's dengue death'



**AUG 31, 2018** | Stays all constructions across Maharashtra over state's failure to frame a solid waste management policy

**SEPT 5** | Lifts stay after Maharashtra informs that it had framed a policy in 2017

## BOMBAY HIGH COURT

**2013** | BMC informs HC that its daily garbage collection was 9,400 tonnes, expected to touch 10,000 to 11,500 tonnes in near future

Based on BMC's estimates, HC calculated that by 2019, city would generate 14,000-15,000 tonnes per day

**MARCH 2016** | HC stays all new constructions, except redevelopment, till BMC finds solution to dumping ground problem

**MARCH 16, 2018** | SC allows construction of new buildings in Greater Mumbai for six months; says debris should not reach Deonar and Mulund grounds

**BAN  
EFFECT**

**700-800**  
projects may have been affected each year by the HC stay



ecosupport  
Pvt.Ltd

# FRAMEWORK GAPS

**ECONOMIC  
MOTIVATION**

**PROTOCOL STANDARDIZATION  
BASED ON ACTIVITY  
MANUAL / EQUIPMENTS/  
IMPLOSIONS**

**TECHNICAL  
HANDHOLDING  
ONSITE**

**GOVT. AGENCIES INVITE BIDS FOR  
DEMOLITION BASED ONLY ON WHAT  
CONTRACTORS WOULD PAY FOR  
RECOVERABLES : MIGATION  
EFFIENCY NOT CONSIDERED**

**NO QUANTIFICATION  
MANDATORY IN EMP**

# FRAMEWORK GAPS...

## While Granting the MCGM SWM NOC...

### Permission Details (Provide the estimated quantity for whole project)

- 1) **Demolition Debris:** Choose this option if you have only demolition debris for whole project.
- 2) **Construction And Demolition Waste (Excavation + Vertical Rise):** Choose this option if you have only excavation and vertical rise waste and do not have any demolition debris waste for whole project.
- 3) **Both (Demolition + Excavation + Vertical Rise):** Choose this option if you have demolition, excavation and vertical rise waste for whole project.
- 4) Debris on call scheme option is available if total project estimated quantity of C&D waste is less than 66.25 Brass (or 300MT)

*Calculation Formula: 1 Brass = 4.528 MT*

Choose the appropriate option from following:

Demolition Debris     Construction And Demolition Waste (Excavation + Vertical Rise)     Both (Demolition + Excavation + Vertical Rise)

\* Demolition Debris (Brass)

10

\* Excavated Earth Qty (Brass)

20

\* Vertical Qty (Brass)

10

Total Quantity Disposal (Brass)

40

Service Type  Consumed Insitu(Consumed within site)     Debris On Call Service     Dispose By Self

Category DOCS  IOD     C1 Category     Demolition Approved by competent authority of MCGM or Govt.

Do you want SWM NOC certificate for part or full quantity?  Part Quantity     Full Quantity

\* Transportation Quantity (Brass)

10

# FRAMEWORK GAPS...

## C&D WASTE PROFILE - NORWAY SCENARIO



DEMOLITION

8%



CONSTRUCTION

52%



RENOVATION

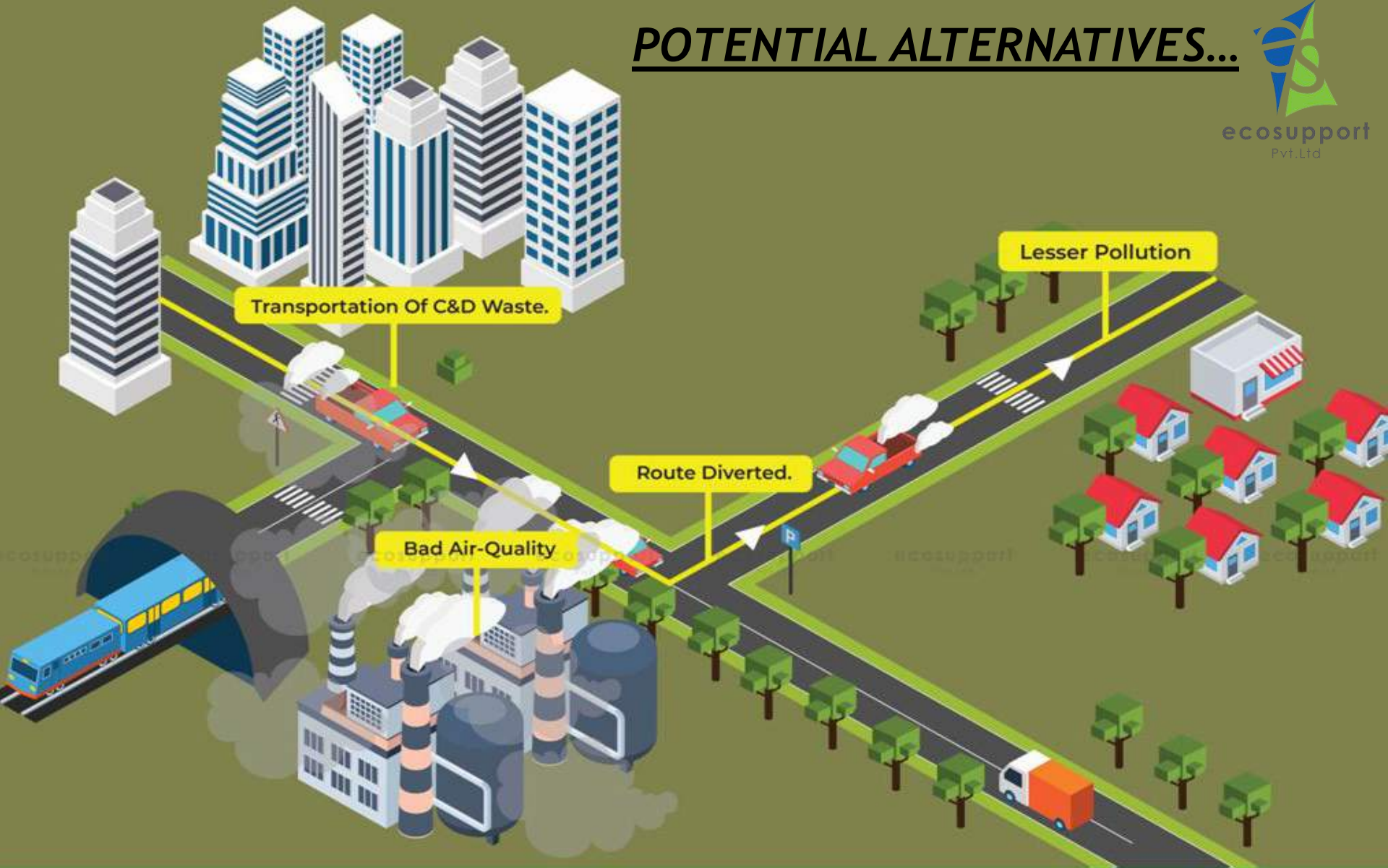
40%

Similar Profiling Studies Needed In India.

# POTENTIAL ALTERNATIVES...



ecosupport  
Pvt.Ltd



Carrying Capacity Based On Air Quality.  
[www.ecosupport.co.in](http://www.ecosupport.co.in)



# POTENTIAL ALTERNATIVES...



ecosupport  
Pvt.Ltd

## AIR REGULATION THROUGH FAIR REGULATION

### MUMBAI SCENARIO



Summer



DEMOLITION



CONSTRUCTION



RENOVATION



Monsoon



DEMOLITION



CONSTRUCTION



RENOVATION



Winter



DEMOLITION



CONSTRUCTION



RENOVATION



### NEW DELHI SCENARIO



Summer



DEMOLITION



CONSTRUCTION



RENOVATION



Monsoon



DEMOLITION



CONSTRUCTION



RENOVATION



Winter



DEMOLITION



CONSTRUCTION



RENOVATION



[www.ecosupport.co.in](http://www.ecosupport.co.in)

प्रत्येकश्वासः पारितोषिकमस्ति

each breath is a gift

