



# *Coverage, Delivery and Development* Urban sanitation challenges

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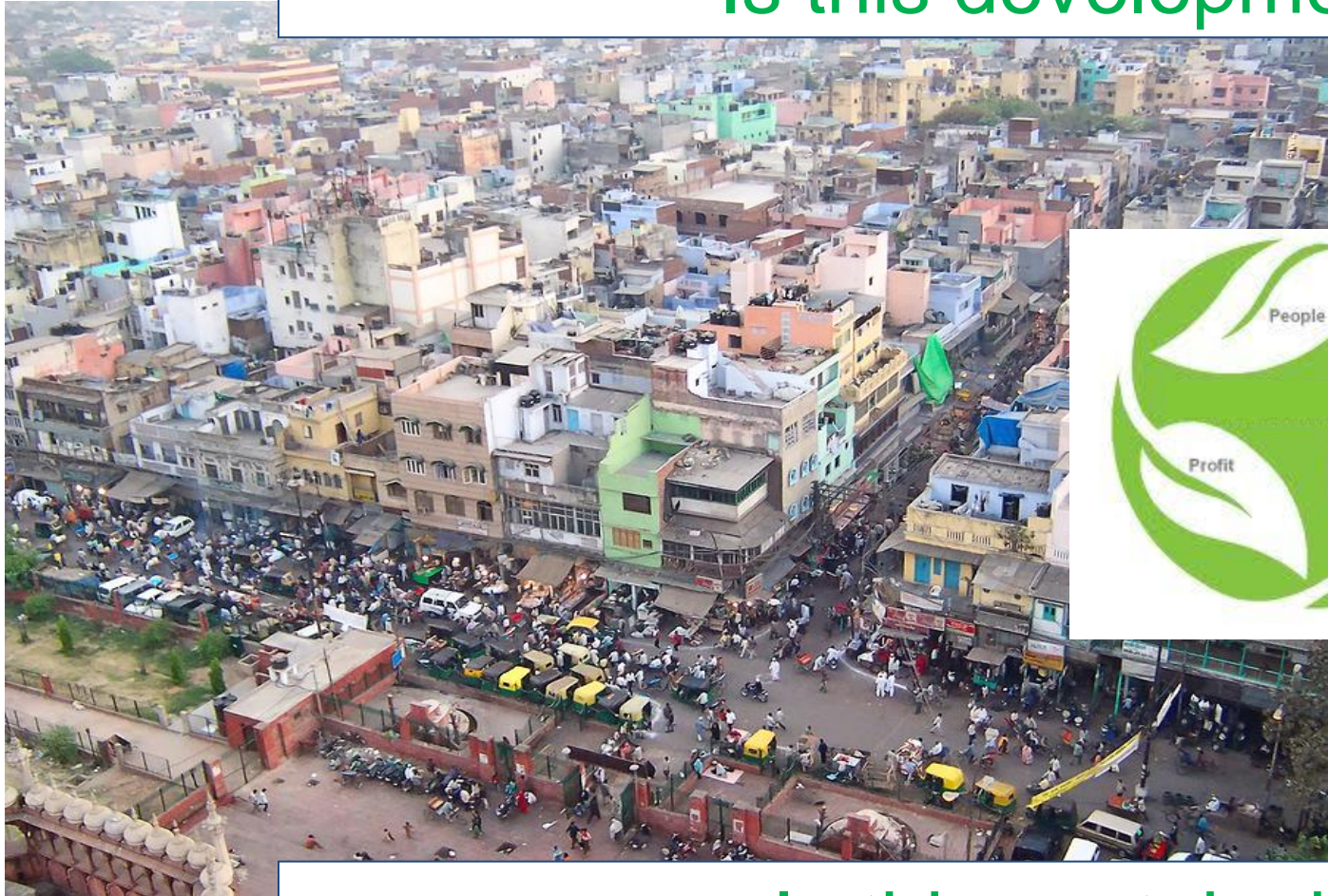
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# Typical scene in India's cities



Is this development?



Is this sustainable?



- Delivery of basic services is a building block towards Sustainable Development



## ■ Extreme urbanization

*The total number of cities and towns in India has increased from*

- *2,250 in 1991*
- *5,161 in 2001,*
- *7,936 in 2011*

*(as per the 2011 census).*

- Changing consumption patterns and behaviours
- Lack of experienced personnel to tackle this rapidly changing environment
- Partial applicability of knowledge from developed world for the changing urban environment
- One solution does not fit the complexities of the cities

- Whose responsibility – city managers, citizens, private providers or all? How to share the responsibilities?
- Infrastructure and service delivery - Should providers – private and public focus on coverage or service delivery? How to balance it?
- Lack of knowledge and practical skills to provide best-fitting solutions
- Piece meal approach
- .... Many more

- Large gap between sewage generated and treatment capacity: Only 30% of total sewage generated by urban India treated.
- Untreated discharge: 26.5 billion litres of untreated wastewater discharged into water bodies every day.
- Poor maintenance: discharge from 39% of STPs do not conform to environment protection standards.
- Massive investments (Rs 106 bn) for wastewater with limited focus on O&M.

**In many instances, the wastewater / sanitation sector is fragmented - capital expenditure, service delivery , day-to-day management, all rests with different agencies making any reform or improvement difficult**





## Centralised approaches

- will not be able to provide all the answers -
- cannot cover the ever increasing population



**Compliment** the centralised approaches with  
DECENTRALISED approaches

- planned, inclusive, integrated



# Thank you

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