Smart City Sweden - In India





Agenda

- What is the Smart City Sweden Platform / SIBC
- What do you need to know about India today?
- What is a smart city? And what does this mean for you?
- Overview of key developments in Railways





Smart City Sweden - Swedish best practice

Financed by the Swedish Energy Agency and Managed by Swedish Environmental Research Institute

Objective is to – through evidence based showcasing – create stronger international partnerships and business.

Smart City Sweden – In India; is the physical export arm of the platform.



OBJECTIVE

Promote *sustainable business partnerships* between India and Sweden with a focus on SME engagement

and system solutions

Develop dialogue on *innovation in technology and technique* in the areas of; waste and water, ICT, transport, and energy Contribute to *Global Goals* sustainable development commitments

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Smart City Sweden – In India **Enabling Ecosystem**

Strategic Level

Bilateral MoU Sustainable Urban **Development June** 2015– Planning and land use, sustainable transport, watsan, solid waste

Smart City Sweden – in

National SmartCity Mission – Proposal based project delivery at the city level. 100 cities to be selected between 2015 - 2020

SmartCity Steering Committee –CII project partners; Germany, Japan, UK, USA, Sweden, Spain

Support Level

India – Objective; Provide structured opportunities for Swedish based companies to engage in Indian marketplace

Team

Office



Confederation of Indian Industries (CII) – Will act as local partner for project communication. Delhi office as HQ but relevant city offices to also engage

Project Level

Project Management Sweden: Teknikfö **Delegation Visit** Project 1.0 retagen, IVL, SIBC India:CII HQ, CII City

What do you need to know about India today?

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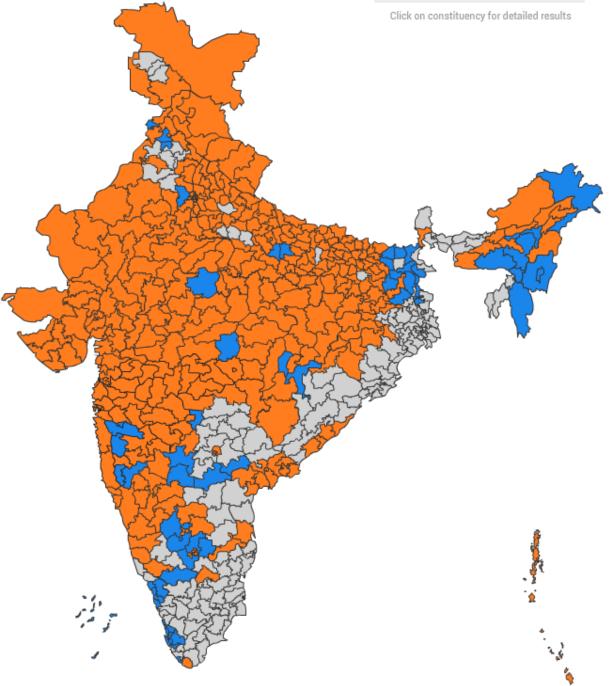
By The Association of Swedish Engineering Industries - Secretariat: Sweden-India Business Council





- 2017 Vibrant Gujarat reconfirmed private sector support for Modi's Government and actions taken in the past two years;
- Over \$366 million commitment in investment
- FDI inflows \$ 130 billion since 2014, and under Modi's reform agenda
- Digitization strong focus of new government and demonitization being a first step to bringing India within the system





- 1.2 billion people

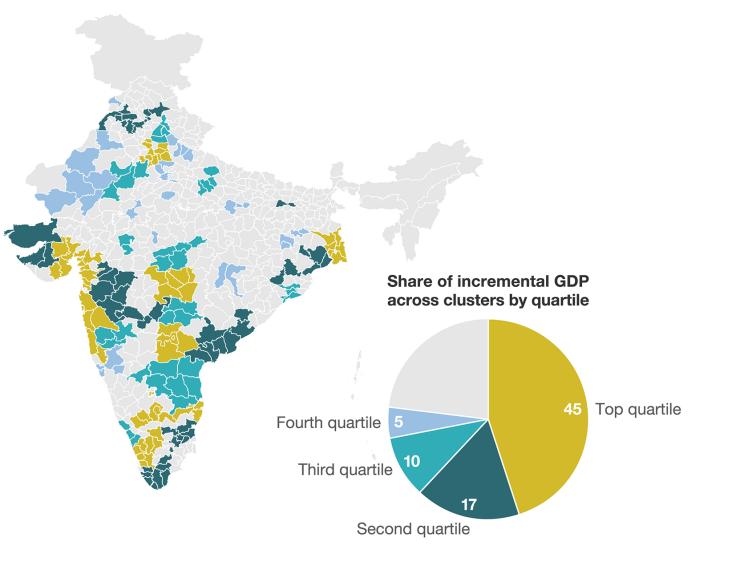
-29 states / 7 UTs

- 69 cities with 1million
plus accounting, by 2030,
for up to 80 percent of
GDP

-By 2050; 70 percent in cities, 500 new cities required

- 460 million internet subscribers (July 2016)





¹Cluster is defined as a cohort of 183 high-potential districts, with the metropolitan district acting as the nucleus. Each of these districts is contiguous, so that they represent serviceable markets. Quartiles are based on clusters' GDP rank in 2025.



Source: McKinsey analysis

India's Smart City Mission



2015 – Mission launched - 100 cities selected but competitive applications to be approved by independent financial audits

City plans to be citizen led

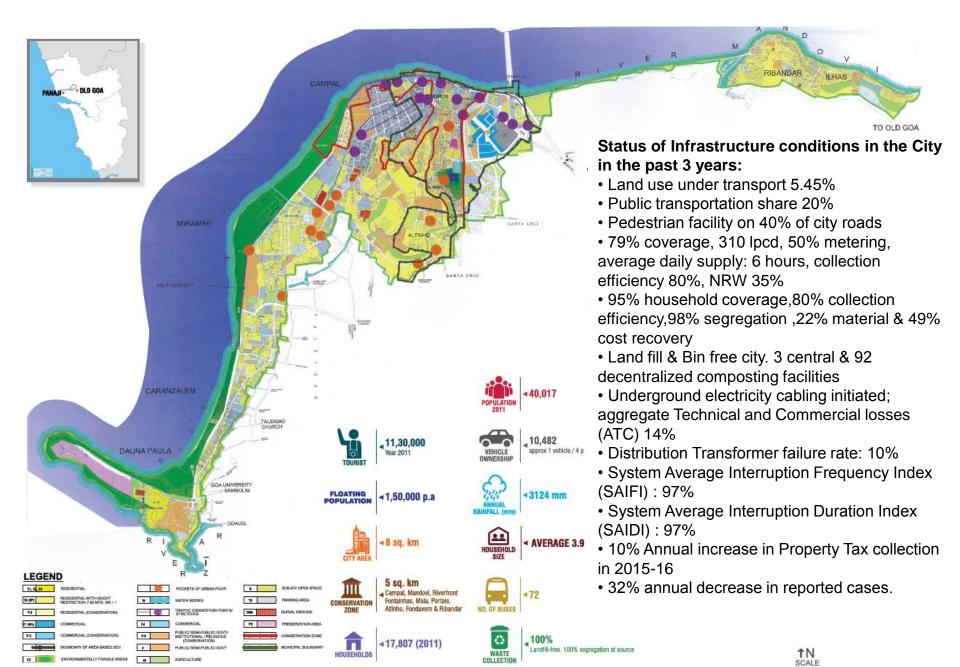
SPVs to lead budgeting and project development. Each SPV to be led by a CEO from either the public or private sector – **Business Focused**

PPP 2.0 - BOT - BOOT - DBFOT

Unlocking an investment potential of \$150 billion

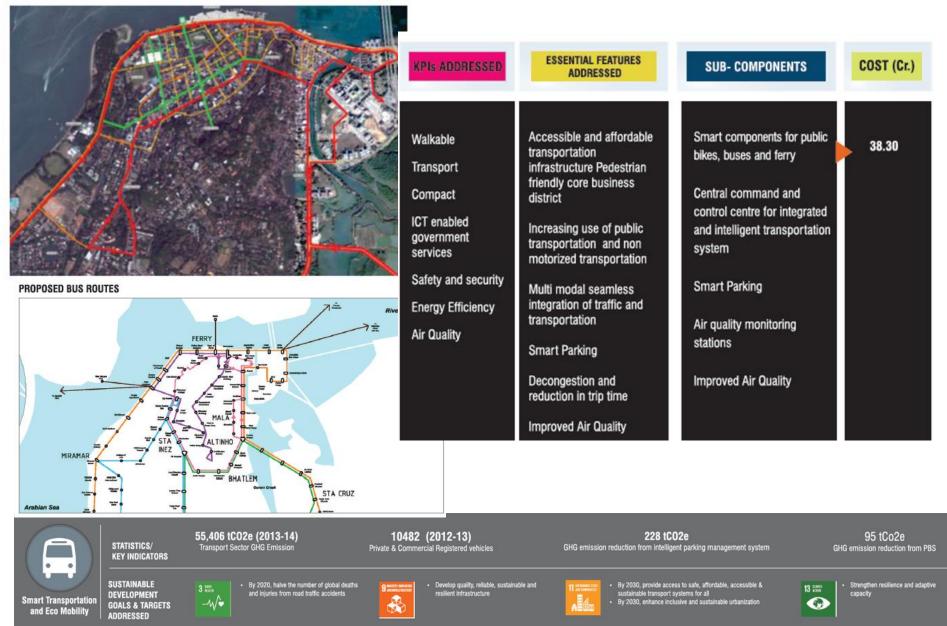


CITY PROFILE



PAN CITY - SMART TRANSPORT & ECO MOBILITY

RE-ORGANISATION OF TRAFFIC FOR LIGHT BRT & BIKE-SHARING



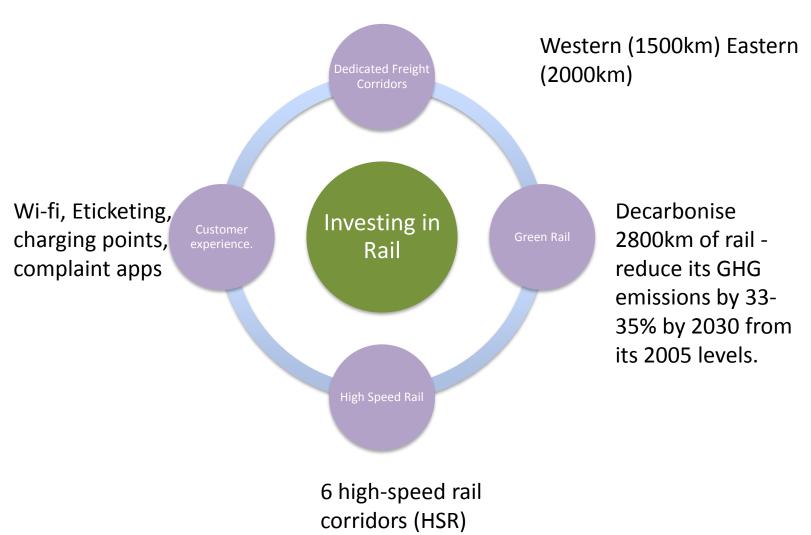
Smart Railways



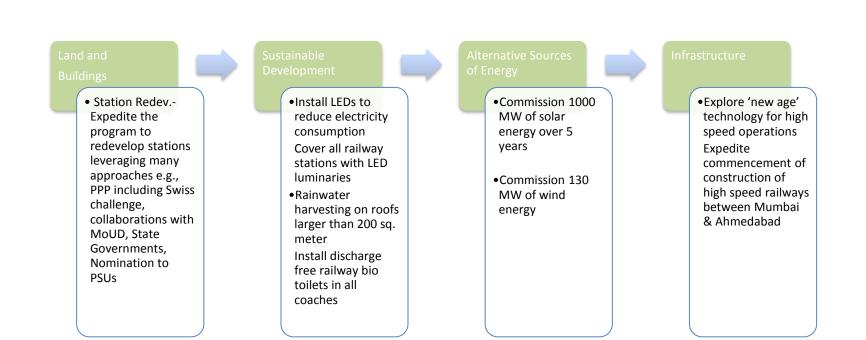
- i) Third largest rail network with 66000 km and 21,000 trains daily and 20 million people daily
- ii) Railways has been losing ground to road transport, and new business mdoel was needed to recapture market share
- iii) Aging infrastructure resulted in 27, 500 deaths in 2015
- iv) Subsidized train fares has led to chronically stressed system

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Smart Rail



Smart Rail - milestones



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11 May 2017

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