



Confederation of Indian Industry



**IGBC encourages Cities to adopt  
SDG Driven Sustainable  
Urbanisation Strategy addressing  
the National priorities :**

**Energy Security, Water Security,  
Food Security, Air Quality,  
Green Cover, Waste Management**

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# INDIA'S LEADERSHIP IN GREEN CITIES

*MAKING CITIES INCLUSIVE, SAFE,  
RESILIENT AND SUSTAINABLE*



**IGBC GREEN CITIES**

*Enhancing quality of life of citizens*



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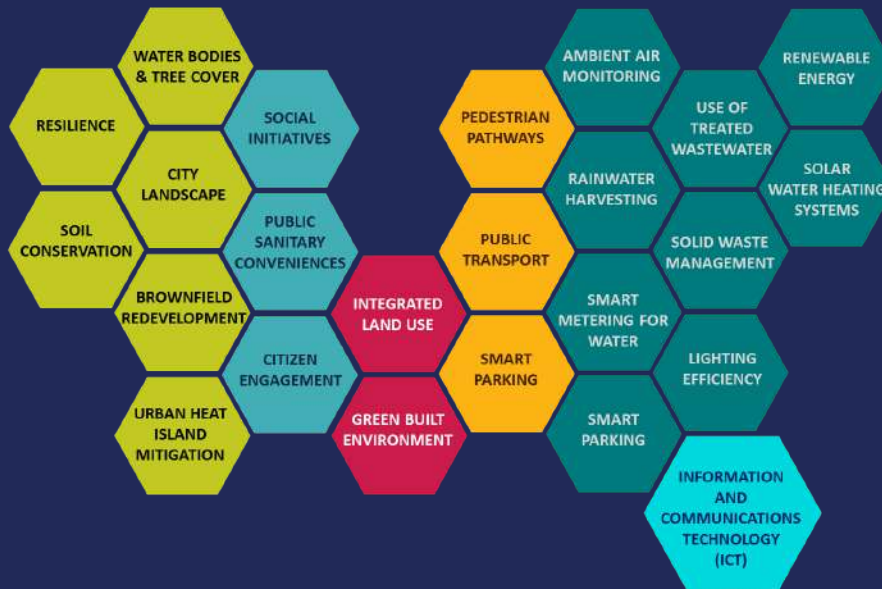
# BENCHMARKING TOOL FOR GREENING OF INDIAN CITIES

Our team has been working with  
20+ Cities | 50+ Integrated Townships  
5,77,780+ ACRES OF LARGE DEVELOPMENT

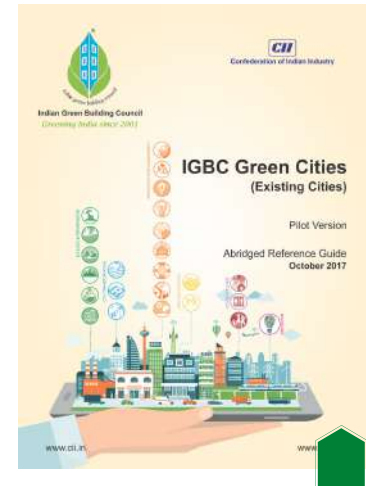
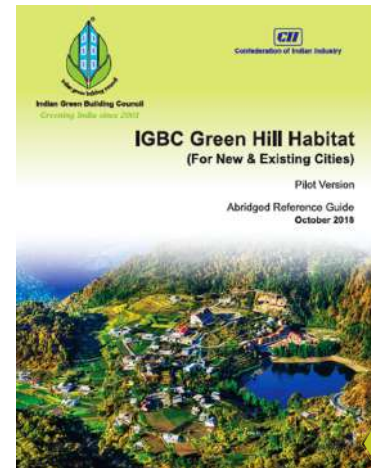
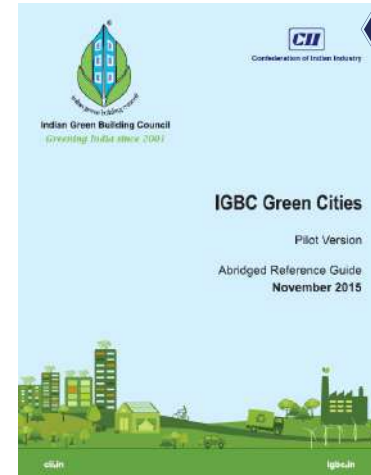
## Green Cities Assessment Matrix

### 24 City level Indicators

All Existing Cities can Assess their Green Status based on the following Green City Indicators



### Greenfield Cities



### Existing Cities

### Hill Cities







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# A SNAPSHOT OF GREEN TRANSFORMATION IN TWO INDIAN CITIES

CITY'S ECO-VISION

## SMART, LIVABLE AND ICONIC CITY OF GUJARAT

WITH INCLUSIVE GROWTH AND SUSTAINABLE DEVELOPMENT, BY LEVERAGING ITS HISTORICAL STRENGTHS AND PROVIDING STATE OF THE ART INFRASTRUCTURE, DELIVERY OF SERVICES AND EMPOWERING ECOSYSTEM BY ENABLING CITIZENS TO REALIZE THEIR DREAMS



### Land Use Planning

- Poly-centric mixed use development



### Water Management

- 24x7 water supply with SCADA system
- Metered distribution
- Storm water outfall to open into 3 natural lakes



### Energy Efficiency

- Solar power plan
- Smart and robust infrastructure
- District cooling system
- Integrated Control and Command Center with traffic management
- NMT & BRT Network



### Resource Management

- Preserving & rejuvenating 3 existing lakes
- High density development



## INDIA'S FIRST Smart City IGBC Platinum Green City

Energy Savings : Approx. 65 Million kWh/ year



100% LED Street Lighting  
8.5 million kWh/ year



Solar power plants  
55.6 million kWh/ year



Waste to Energy plant  
1.02 million kWh/ year

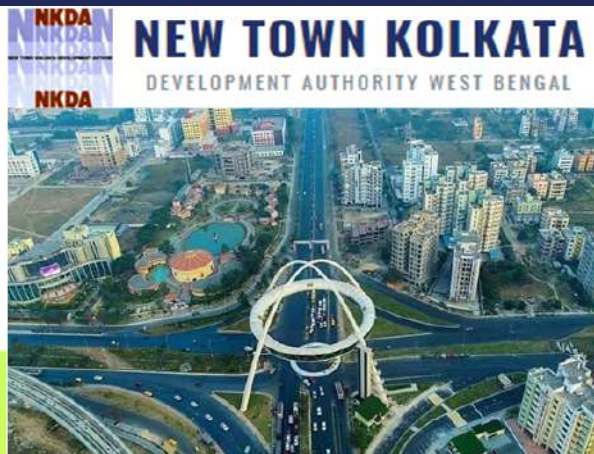
City level Measures Under 24 Green City Indicators



New Town Kolkata received the IGBC Green Cities plaque in the presence of Hon'ble Minister Shri Hardeep Singh Puri at Green Building Congress 2018, Hyderabad



## INDIA'S FIRST Green Satellite City



## NEW TOWN KOLKATA

DEVELOPMENT AUTHORITY WEST BENGAL

CITY'S ECO-VISION

## FUTURE READY GLOBAL SERVICES HUB

ATTRACTING THE BEST TALENT WITH A FINE WORK-LIFE BALANCE



### LAND USE PLANNING

- 40% mixing of office space in residential area
- 30% of the Area allocated for green and social activities
- 27% of housing allocated for EWS & LIG
- Additional 10% FAR for green building projects



### SUSTAINABLE MOBILITY

- 100% barrier-free accessibility in all pedestrian, road crossings and public buildings
- 81% of developed area have mass transit facilities within 800 m
- 100% pedestrian network for all road categories
- Well connected bicycle lanes, Bicycle stands, cloud connected Public Information System



### ENERGY MANAGEMENT

- 100% LED based solar powered street light, LoRaWAN based street lighting for efficient management
- Solar Roof top panels to meet 10% of city's energy demand



### WATER MANAGEMENT

- SCADA and smart metering system to ensure Non revenue water less than 5%
- 1.9 million gallon per day of rain water can be utilized during monsoon
- All buildings to install rain-water harvesting, Modification of Building Rules
- 100% waste water treatment and reuse for non-potable applications



### SOLID WASTE MANAGEMENT

- 100% door to door collection of waste
- Over 70% of all Solid Waste Management Vehicles and Street Sweeping Vehicles with GPS trackers



Mr Amit Arora, IAS, Rajkot Municipal Commissioner received the IGBC Green Cities plaque from Chairman & Co-chair of IGBC Ahmedabad Chapter in Sep 2021





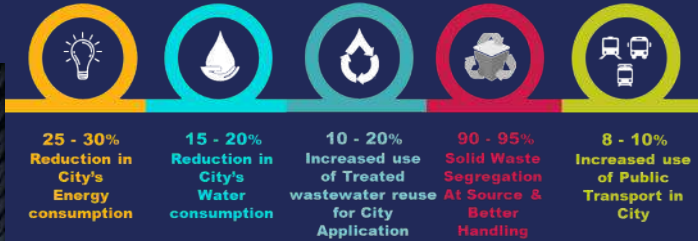
# MOU SIGNING BETWEEN SMART CITIES AND CII- INDIAN GREEN BUILDING COUNCIL

# WorldGBC REPORT

## Beyond Buildings: Why an integrated approach to buildings and infrastructure is essential for climate action and sustainability



## GREENING OF INDIAN CITIES WILL LEAD TO



**GREAT OPPORTUNITY AHEAD OF US TO MAKE THE CITIES 'Green by Masterplan & Design' and 'Enhance City level Performance' through green policies & projects**

**ULTIMATELY, RESULTING IN A BETTER QUALITY OF LIFE**



## Beyond Buildings

Why an integrated approach to buildings and infrastructure is essential for climate action and sustainable development

October 2021



### CASE STUDY - INDIA GBC:

India GBC are addressing Green Transit Infrastructure as part of 3 exclusive rating programmes (for Metro projects, for Railway/Commuter Rail projects, for High Speed Rail projects). So far, 600+ transit facilities have adopted the rating programs.

India GBC had brought out the following 3 guidance documents for development authorities and developers to apply green concepts and planning principles in several Indian cities, resulting in reduced environmental impacts that are measurable and improving the overall quality of life:

1. IGBC Green Cities Rating (For greenfield cities) 2015
2. IGBC Green Cities Rating (For existing cities) 2017
3. IGBC Green Hill Habitat Rating (For Hill cities & towns) 2018

So far, India GBC Green Cities concept has been adopted by 20+ Indian cities including;

- Greenfield cities: New Town Kolkata, Sri City, Dholera Industrial City, GIFT City, Mahindra Industrial City in Gujarat & Tamil Nadu, Auric City, Reliance SEZ, Kandla SEZ, Pharmez city
- Existing cities: Rajkot, Visakhapatnam, Bhopal, Panchkula, Pune, Hyderabad

**For Collaborative promotion and implementation of Green City initiatives and Green Building Concepts**