

# **POLICIES AND GUIDELINES FOR PARKS**

FOR INDIAN CITIES



## **PREFACE**

The document is developed with an aim of defining standards that will improve the park development process, and serve as a reference tool to guide planning bodies, governing agencies and professionals engaged in planning and development of public parks .

**Note** - The is an evolving document and might vary across different regions depending upon various environmental and social factors. The design parameters and attributes may be affected climate zones, rainfall, soil types, urbanity, social status, cultural considerations, etc .

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Design For User Range and Experiences

Place making And Design Identity

Accessibility and Connectivity

Preservation and Aesthetics

Sustainability and Environmental issues

Design for Safety and Security

Effective Administrative Management And Enforcement

Formulate A Definitive Operations And Maintenance Program

Design For Public Health, Wellbeing and Recreation

**PARK ATTRIBUTES & RECOMMENDATIONS** 



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**Recreational Facilities** 

**External Linkages** 

Access

Internal Circulation

Parking facilities

Buildings, Amenities, Services and Utilities Infrastructure

**Shading & Shade Structures** 

Softscape

Hardscape

Park furniture

Special Features (water features, bridges, decks)

Lighting

Signage

Fence, wall and Screens

Public Art

Water Management









#### **OPERATION & MAINTENANCE**

Maintenance Planning

Public & Private Partnership

Capital investment

Training

#### **IMPORTANCE OF URBAN PARKS**



To improve the liveability and quality of life



To increase habitat and biodiversity



To provide identity to towns and cities



To create a magnet to attract living, working, investment and tourism

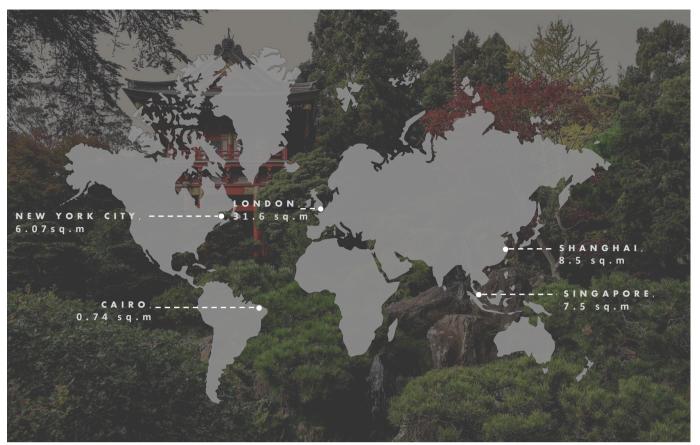


To reduce urban heat island effect.



To decrease pressure on built infrastructure (Integrated storm water systems)

#### **OPEN SPACES AND CITIES - GLOBAL EXAMPLES**



\*Calculated on a per person basis.

#### OPEN SPACES AND CITIES - INDIAN SCENARIO



\*Calculated on a per person basis.

#### **CATEGORIZATION OF PARKS**

Categorization of parks could be done on various parameters – size , area that they cater to, functions or level / pattern of usage.

The planning and design standards of Parks can be formulated accordingly. Depending on the location, size and hierarchy level of the park, attributes with recommended planning norms and design standards need to be considered.

# CASE OF DELHI Categories established for Planning Norms, Standards for Recreational Areas / Parks at City level

URBAN PARK CATEGORY	CONSTITUENTS	SIZE GUIDELINE	POPULATION
City Park	Aqua park/water sports park, Arboretum, Botanical Garden, National Memorial (approved by Cabinet/ Govt. of India), Amphitheatre, Open Playground, Aquarium, other activities same as permitted in District Park.	100	10 lakh
District Park	Theme park, Recreational Club, National Memorial, Open-air food court, Children Park, Orchard, Plant Nursery, Area for water harvesting, Archaeological Park, Specialized Park, Amusement Park, Children Traffic Park, Sports activity, Playground, Amenity structures.	25	5 lakh
Community Park	Park, Children Park, Open-air food court, Playground, etc.	5	1 lakh

# Categories established for Planning Norms, Standards for Recreational Areas / Parks at Neighborhood level

URBAN PARK CATEGORY	CONSTITUENTS	SIZE GUIDELINE (HECTARE)	POPULATION
Neighbourhoo d Park	Common open space	0.1	10,000
Housing Area Park	Anganwari / Tot Lot and convenience shopping area	0.5	5000
Tot lot Housing Cluster level		0.0125	250

#### 5. CASE REFRENCE-PRATITI INITATIVE

#### **5.4 PARK ATTRIBUTES \_ KIT OF PARTS**

For effective design and maintenance a kit of parts was developed. One that was cost-effective, sustainable, and adaptable.



Signage



Accessible entrance



Playground



Seating courts



Shaded Walkways



Meditation ground



Outdoor Gym



Biodiversity and Experientially



Amphitheater



Waterbody / Fountain

#### 5. CASE REFRENCE-**PRATITI INITATIVE**

#### **5.4 PARK ATTRIBUTES \_ KIT OF PARTS**





Loose furniture – Seating and Waste bins



Lighting







Gym Building



Waste Bins



Drinking water facilities







Installations

### 5.5 PARK ATTRIBUTES \_ ECONOMICS OF OPERATIONS AND MAINTAINCE

Based on the parks developed so far for the PRATITI INITATIVE , the cost can be broken up as follows:

Cost of Design and Maintenance - 600 INR per sq. m Per Annum.

Depending on design, these parks cost Rs. 2750-4000 per sq. m to develop.

#### 7. ANNEXURE

#### 7.2 REFERENCES

- 1. Bureau of Indian Standards, 2016, 'Part 1: definitions', National Building Code of India 2016: volume 1, pp.5-27. 10.
- 2. Bureau of Indian Standards, 2016, 'Part 10- Landscape development, signs and outdoor display structures: Section 1- landscape planning, design and development',
- 3. National Building Code of India 2016: volume 2, pp.16-23
- 3. County of Los Angeles, Department of Parks and Recreation Planning & Development Agency, June 2014, 'Chapter 2-Park Design Guidelines: 2.1 spatial organization', Park Design Guidelines and Standards, pp.3-5, viewed 08 July 2019
- 4. Park Design Guidelines, Delhi , 2020, Delhi Urban Art Commission- Chapter 3 Park Attributes & Recommendations pp.32-25, pp. 50-61
- 5. Hong Kong planning standards and guidelines
- 6. Public Open Space Categories- GIGL
- 7. City of St. Albert Parks and Open Space Standards and Guidelines Evaluation Tool, Nov 2018, pp 1-6
- 8. Parks recreation magazine/March 2018 Measuring the Use of Public Neighborhood Parks
- 9. TERI, Griha Maunual: volume 1: Introduction to national rating system, pp.31.
- 10.Town and Country Planning Organisation, Government of India, Ministry of Urban Development, 2014, Urban Greening Guidelines 2014