



Sabarmati Riverfront

Reconnecting Ahmedabad to its River

# Sabarmati Riverfront

## A Catalyst for Ahmedabad's Economic Growth



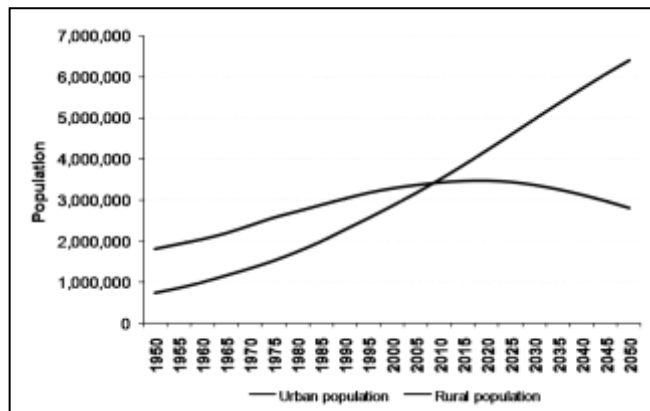
Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

Urbanization is the defining phenomenon of the 21<sup>st</sup> century

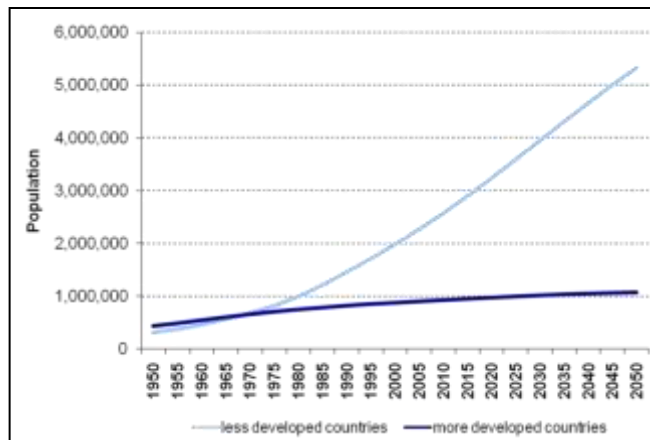


# Globally, an unprecedented Pace & Scale of Urbanization

Sabarmati Riverfront  
Reconnecting Ahmedabad to its River



For the first time in history, more than half of the world's population lives in cities

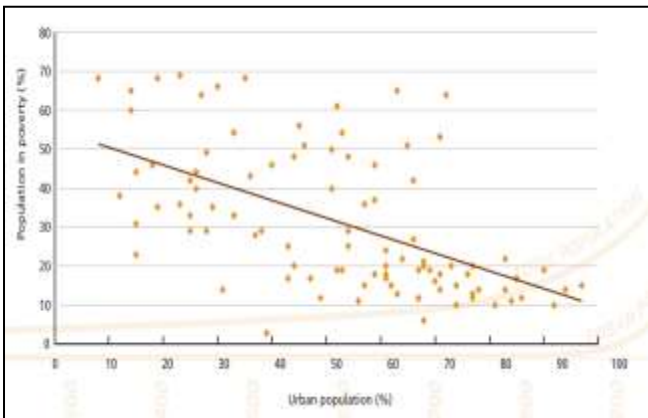
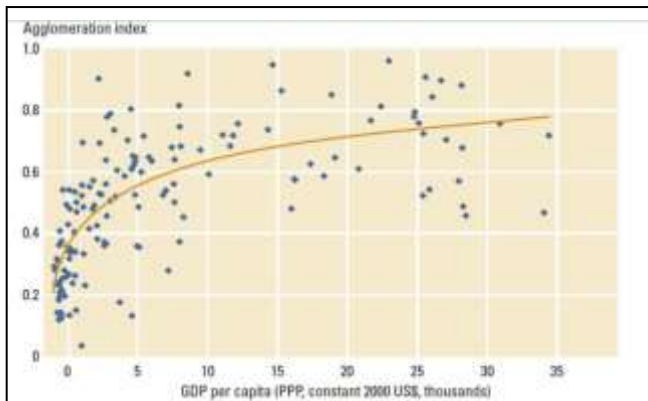


90% of urban growth is taking place in the developing world



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# Cities are Engines of Economic Growth



- Economic growth is associated with agglomeration
- No advanced country has achieved high levels of development w/o urbanizing
- **Density is crucial for efficiency in service delivery** and key to attracting investments due to market size
- Urbanization contributes to poverty reduction



# Transformational Urbanism

Sabarmati Riverfront

Reconnecting Ahmedabad to its River

1. The logic of economic geography
2. Well-planned urban development – a pillar of economic growth



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# KIND OF PLACE YOUNG PEOPLE WANT TO LIVE



Survey of 1,089 people aged 15-20 – [www.victoriawalks.org.au/young\\_people/](http://www.victoriawalks.org.au/young_people/)



Living close to work can encourage people to walk and cycle or use public transport. Makes the private vehicle less popular.

Makes the city healthy



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# Advantage Gujarat



**6% of India's Geographical  
Area: 1,96,000 sq. km.**



**5% of India's population:  
with 43% urban population**



**7.14% of India's GDP**



**19% of India's industrial output**



**10% of India's factories**



**41% of India's Port Cargo handled  
by Gujarat ports**



**22% of India's exports**



**53% of Indian crude oil production**





Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# Advantage Ahmedabad



**First Indian City to receive UNESCO's  
World Heritage City Status**



**7<sup>th</sup> largest metropolis in India and  
the largest in the state of Gujarat**



**Integration of Multi-Modal Transport  
Solutions (BRTS, AMTS, Metro, Taxis,  
Autos) to empower commuters**



**Ahmedabad GDP pegged at 64  
bn USD in 2012**



**Contributes 14% of the total Investments  
in all Stock Exchanges in India**



**Engine of Industrial and Financial  
growth of the state**



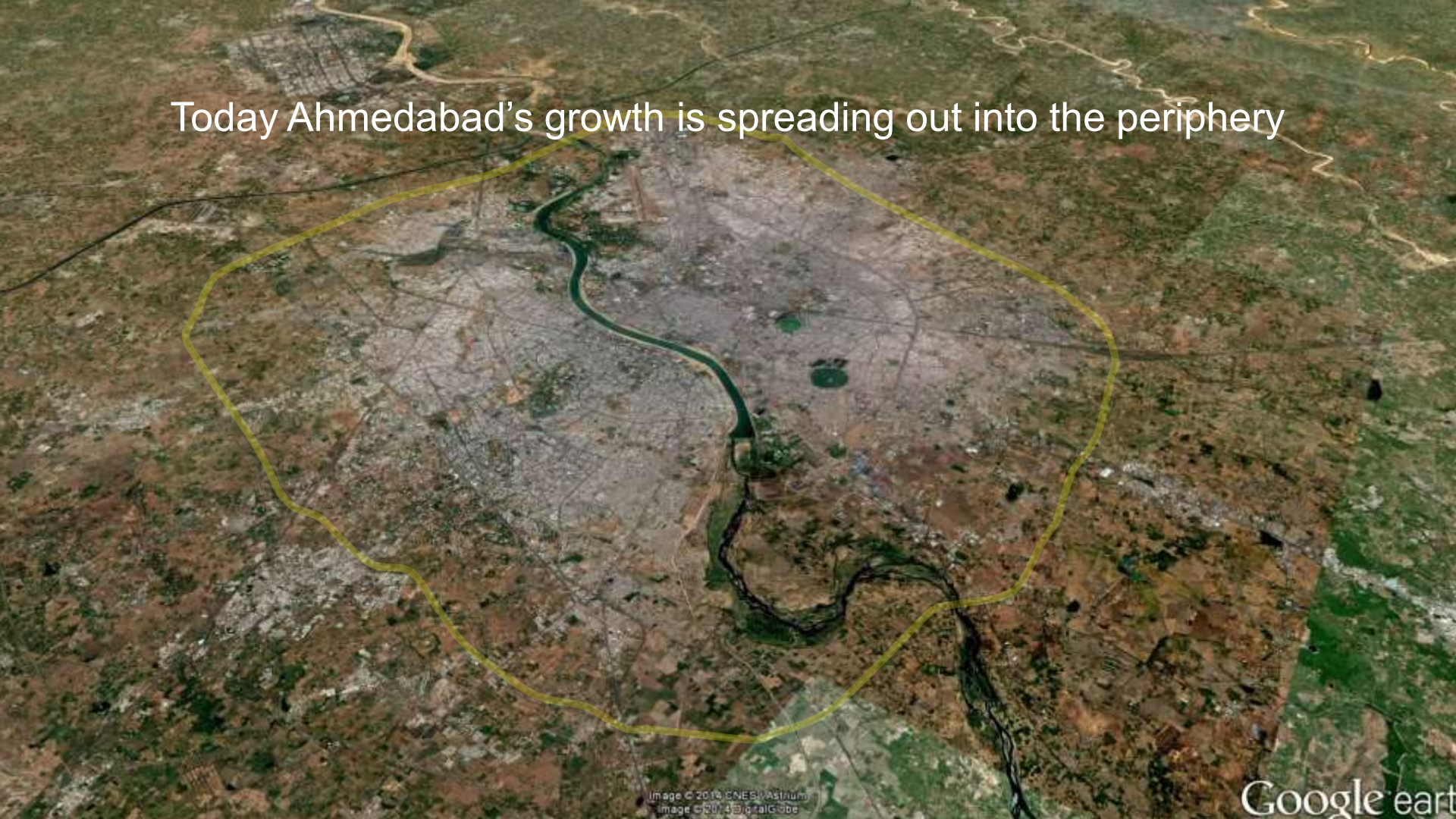
**Contributes 60% of the total  
Industrial Productivity in the State**



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

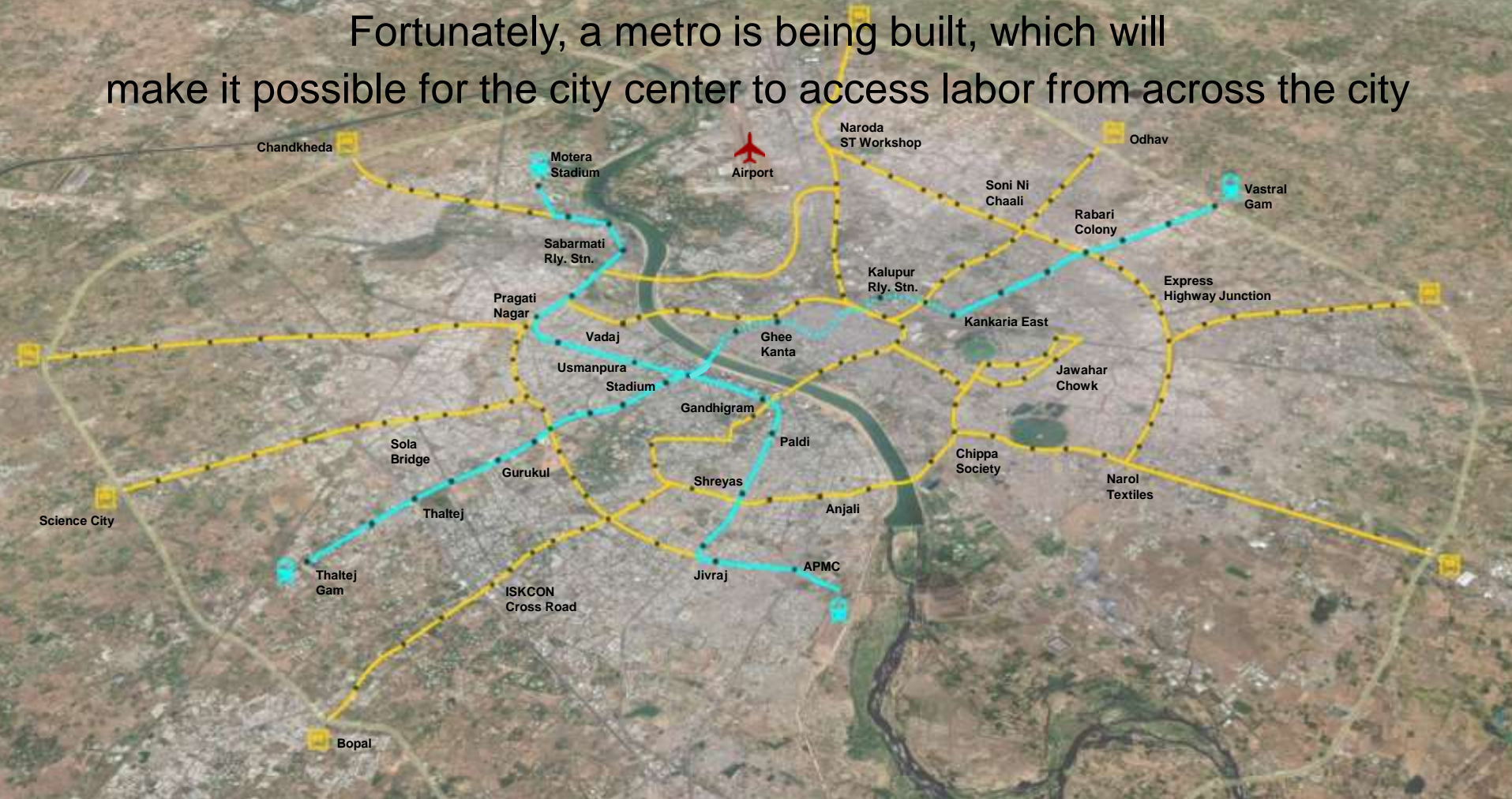
Ahmedabad city is treading a similar path

Today Ahmedabad's growth is spreading out into the periphery





Fortunately, a metro is being built, which will make it possible for the city center to access labor from across the city

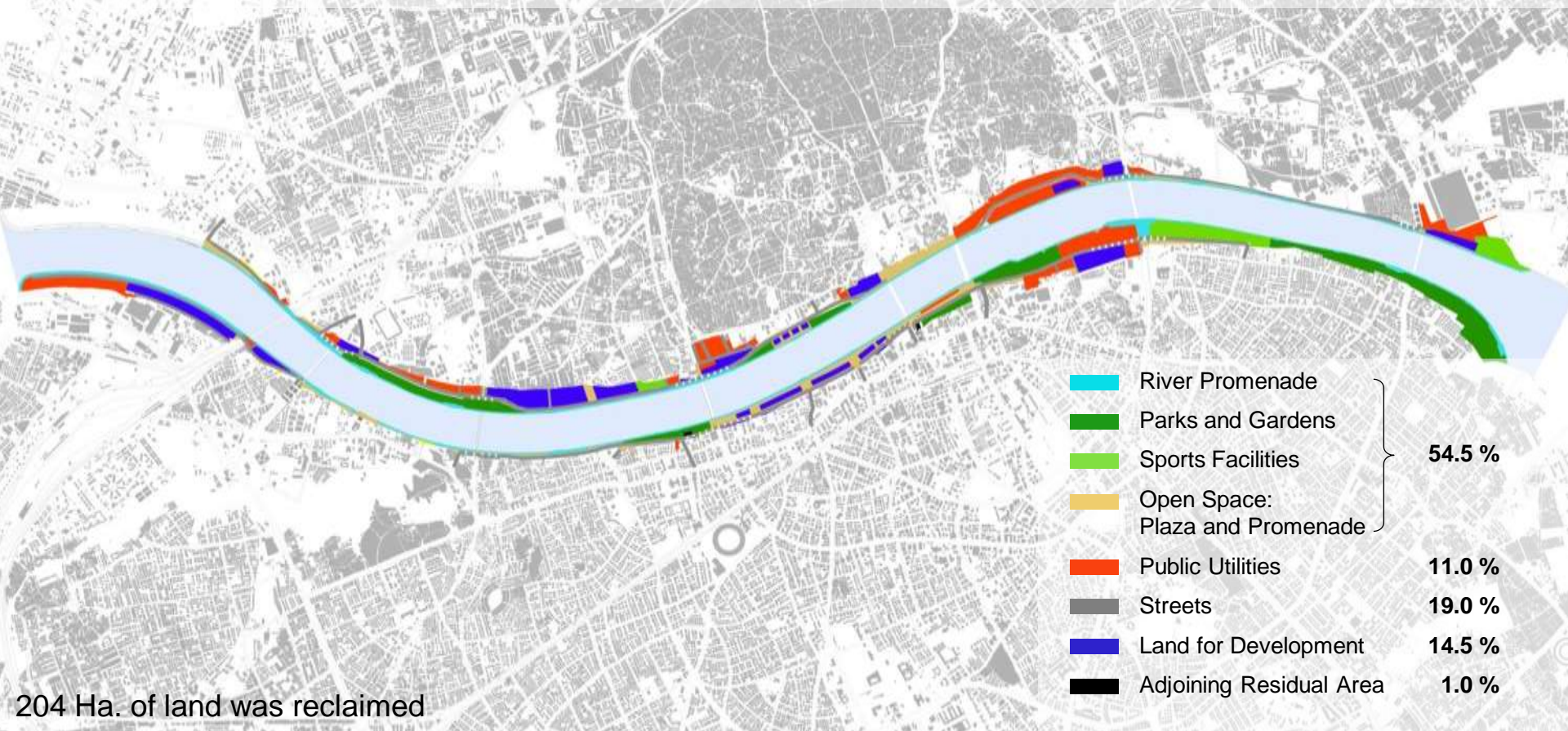


The rejuvenated Riverfront can also be used to create an economic engine for the city





With Sabarmati Riverfront as its central economic engine



204 Ha. of land was reclaimed

## Planning for high-quality Mixed-use dense Urbanscape

29.7 Ha. Land for Development  
~16 mn. sq. ft. of development rights for sale

Land for Development 14.5 %



## On its own land...

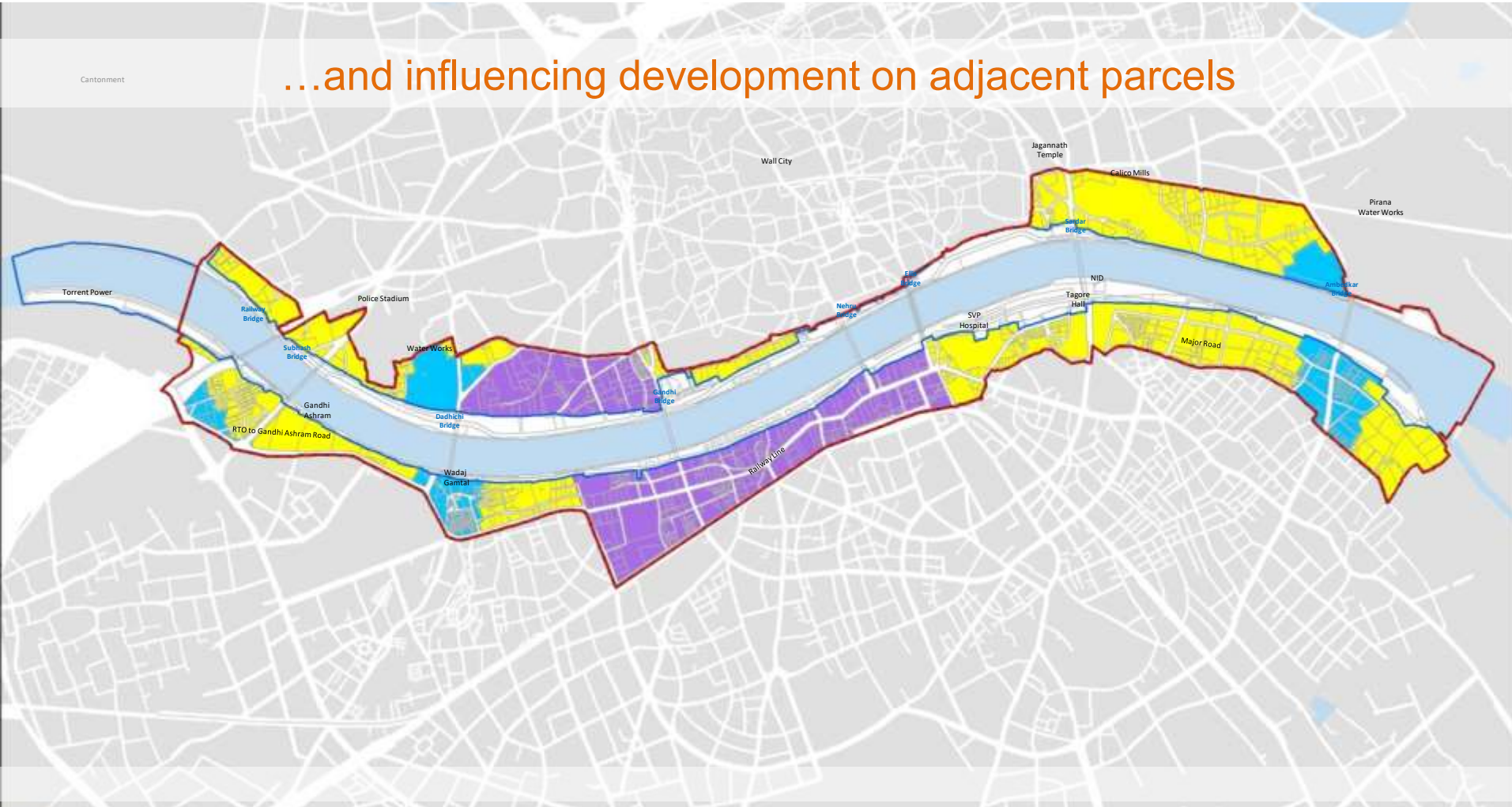
East Bank between Dadhichi and Gandhi Bridge

West Bank between Nehru and Gandhi Bridge

Land for Development 14.5 %



## ...and influencing development on adjacent parcels



Making it an integrated and inclusive redevelopment strategy  
that is both high-quality and compact







Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

San Francisco developed its waterfront in a similar way



## San Francisco - 1939

San Francisco's invested in high-quality mass transit system and proper infrastructure planning





San Francisco - 2004





San Francisco's downtown has since influenced surrounding areas as well





Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

so did London

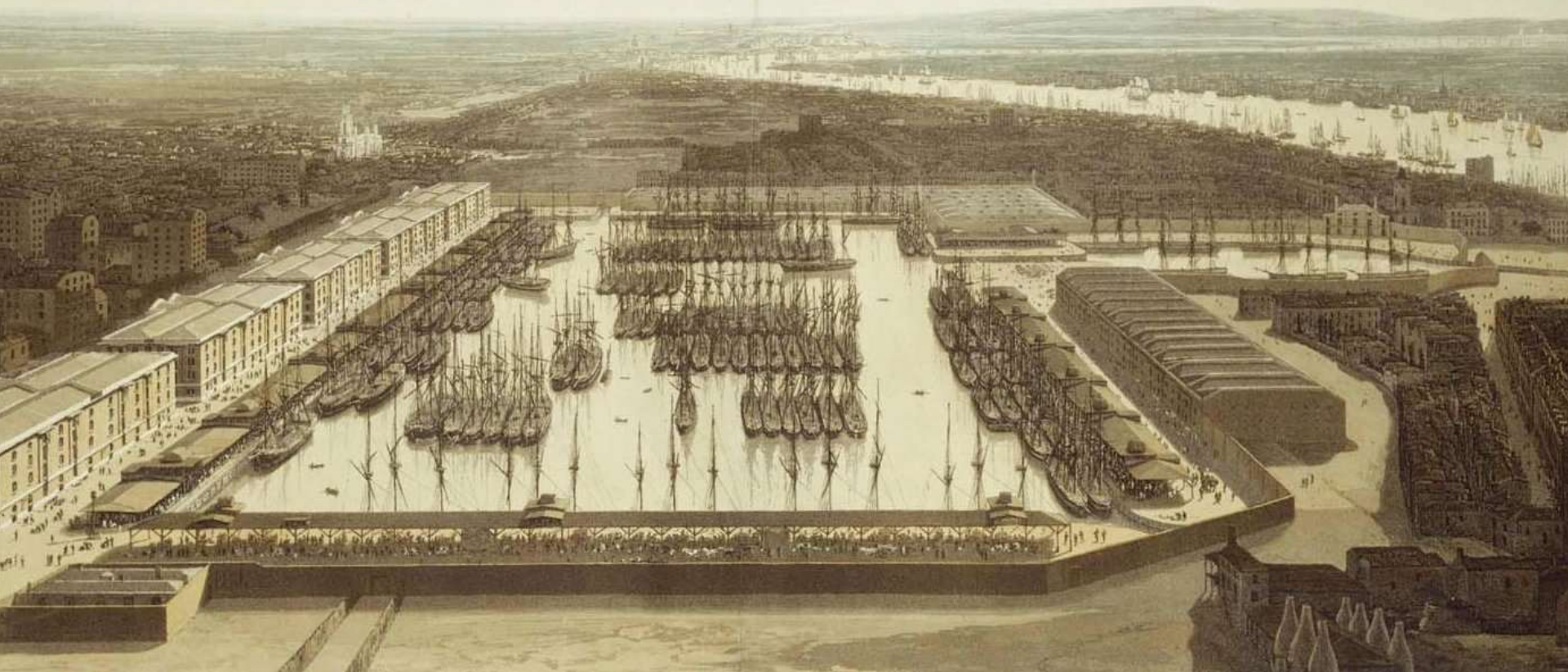


# London Docklands





In the 19th century the London Docklands served as important ports





However, by 1950's the most of the docks were closed





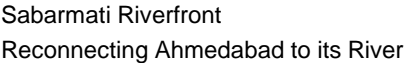
Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# Thatcher decided to create a financial powerhouse on the Docklands

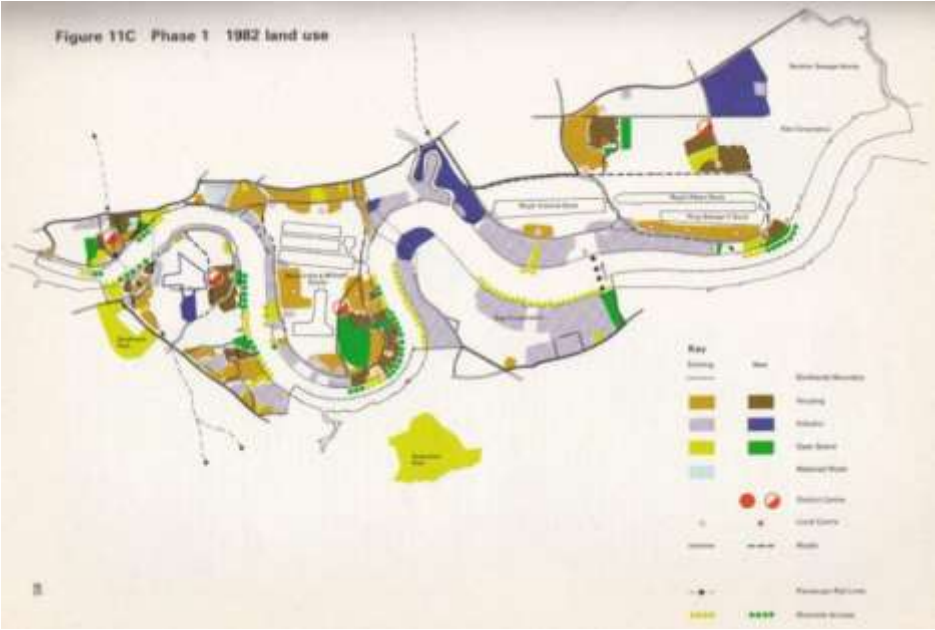


Margaret Thatcher being shown a model of the proposed development at Canary Wharf





London Docklands Development Corporation  
was set up in 1981



Over the past 30 years, London Docklands has become the mixed-use finance, business and tech center for Europe





However, this is where we stand



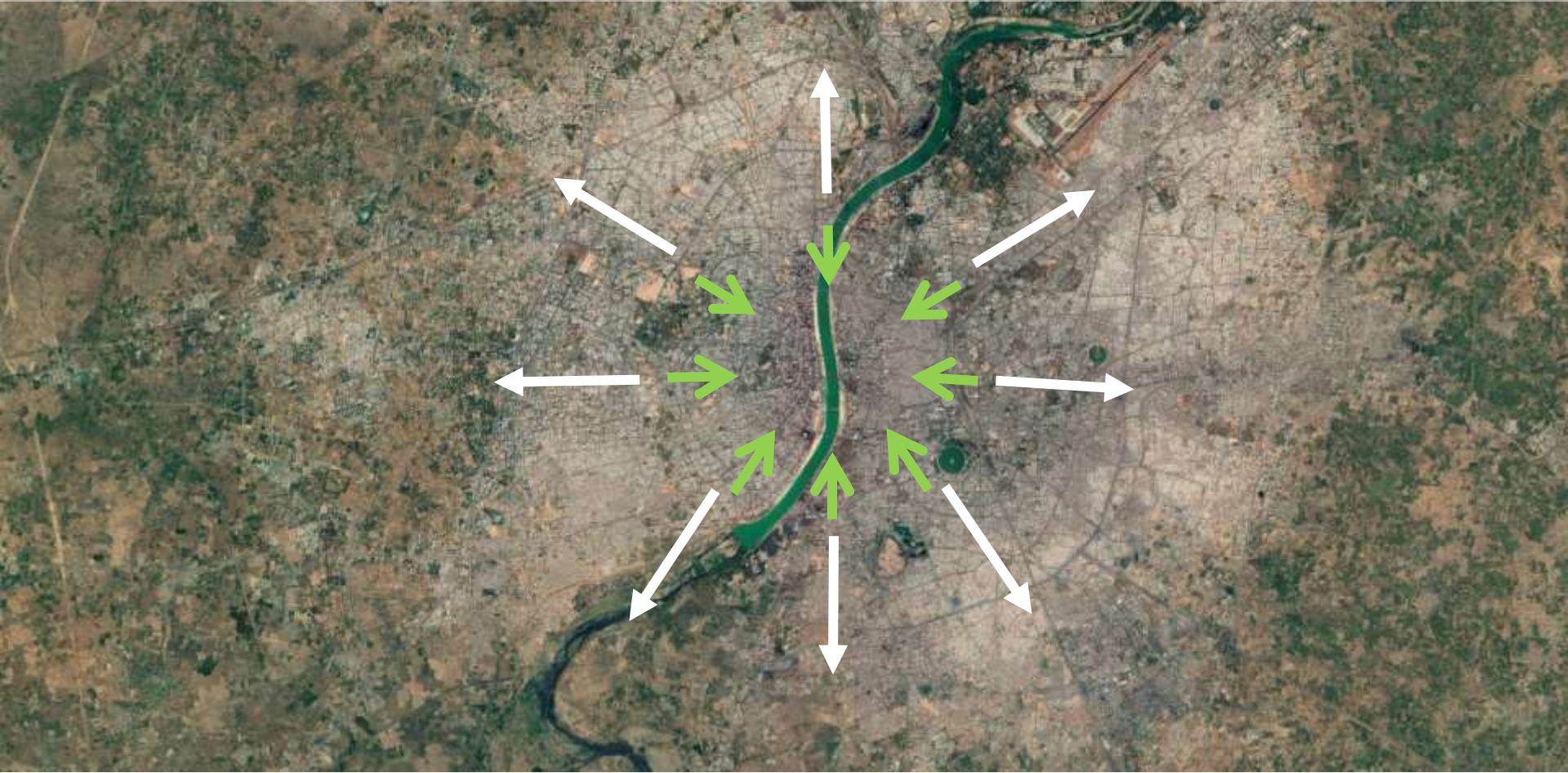


Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

Sabarmati river offers a unique opportunity to the city



The Sabarmati offers geographical centrality for city's economic growth  
It can help slow down the city's dispersal and offer live and work options in the center





An excellent infrastructure on the Riverfront is already in place



The Riverfront is supported with a well developed transport network – of BRTS and upcoming Metro Routes, that act as pressure release vents

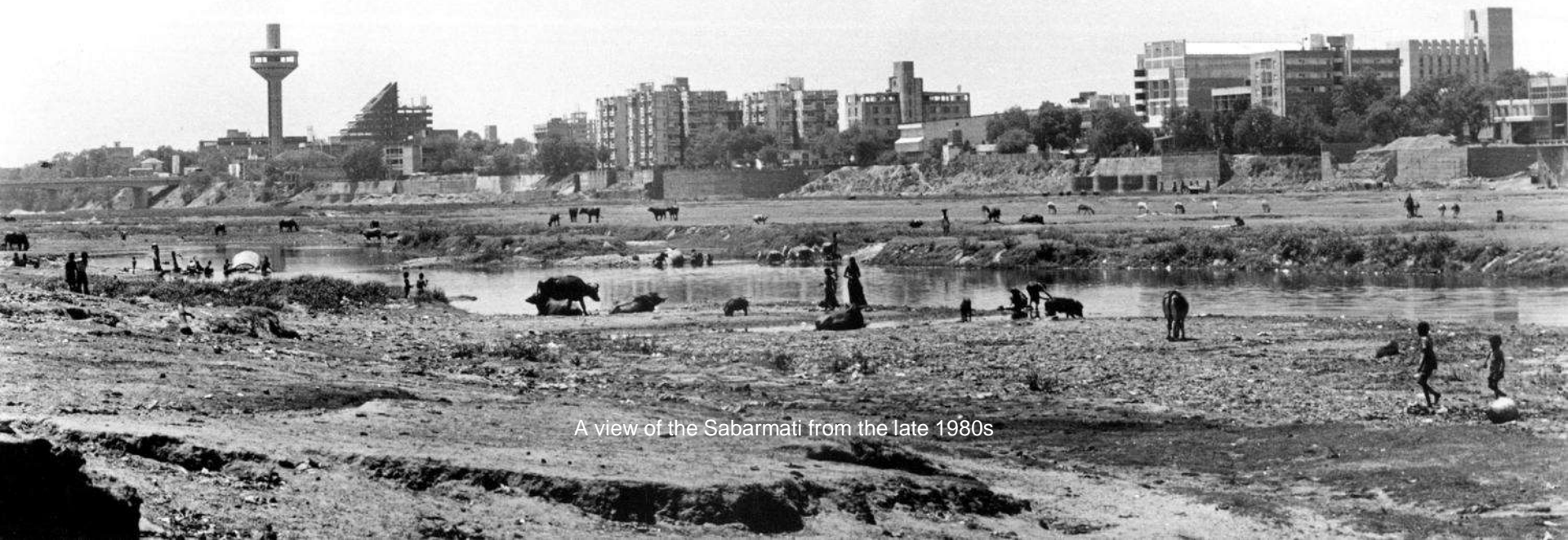






Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

## From state of neglect



A view of the Sabarmati from the late 1980s



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

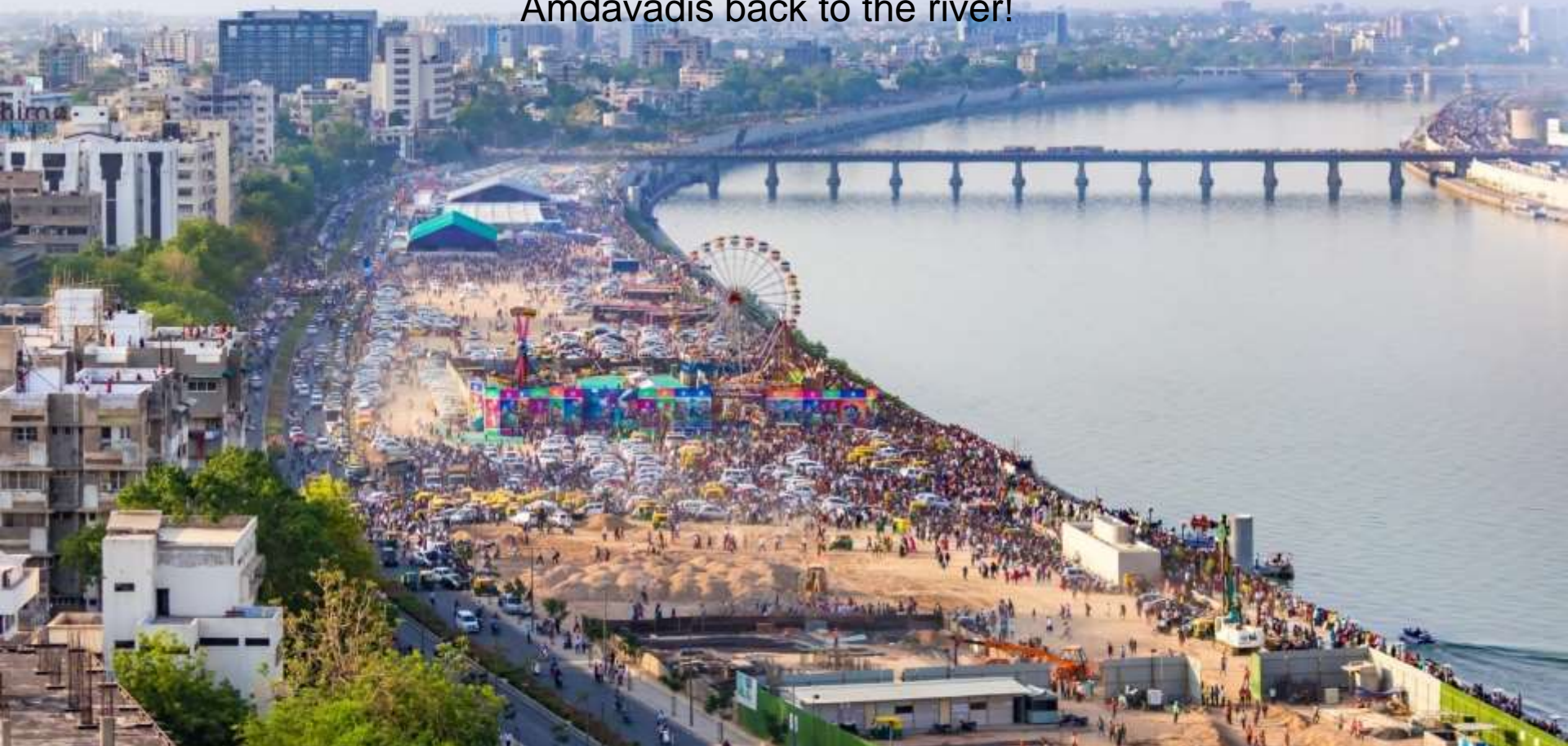
# The focus is now back on the River





We have an ecosystem that is attractive and inviting and draws thousands of people

The new waterfront has brought the river back to Ahmedabad and  
Amdavadis back to the river!





Sabarmati Riverfront

Reconnecting Ahmedabad to its River

Our **mission** is to  
enhance the quality of life of the citizens, provide them economic  
opportunities through a culturally refined **world-class destination**  
that exudes a feeling of joy, happiness and well-being.



Sabarmati Riverfront

Reconnecting Ahmedabad to its River

To celebrate the river and to deliver our mission of a livable and economically vibrant Riverfront:

1. Improve water quality of the river
2. Develop social and cultural infrastructure
3. Undertake comprehensive urban planning and create a World-class model of urban excellence that would optimize return on investments



Sabarmati Riverfront

Reconnecting Ahmedabad to its River

**The first step is to have a clean River**

Clean water is important for environment and for attracting  
investments on the Riverfront





Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# STPs for treating 1210MLD of sewage have been planned



S r .	Loca tion	Cap acity	Status
1	Shan kar Bhuv an	25 MLD	Work in progress
2	Kotar pur	60 MLD	Tender reinvited
3	Daff Nalah Shahi baug	25 MLD	Tender reinvited
4	Kotes hwar	60 MLD	Tender invited



Sabarmati Riverfront

Reconnecting Ahmedabad to its River

## IMPACT

**BOD | DO before:     above 30 | 2**

**BOD | DO after cleaning: 7-8 | 6-7**

Efforts are on-going to take BOD to below 3

**River is coming back to life**

BOD: Biological Oxygen Demand, DO: Dissolved Oxygen | Source: Lab tests



Sabarmati Riverfront

Reconnecting Ahmedabad to its River

## 2. Developing socio-cultural infrastructure

‘Place-making’ with state-of-the-art amenities that attracts people and investments and ties up the entire Riverfront with high-quality infrastructure and a unified vision



# Completed works

Embankment  
and Reclamation

Ashrambaug  
Riverfront Park

Interceptor  
Sewer

Streets

Atal  
Ghat.

Riverfront  
Market

Event  
Ground

Laundry  
Campus

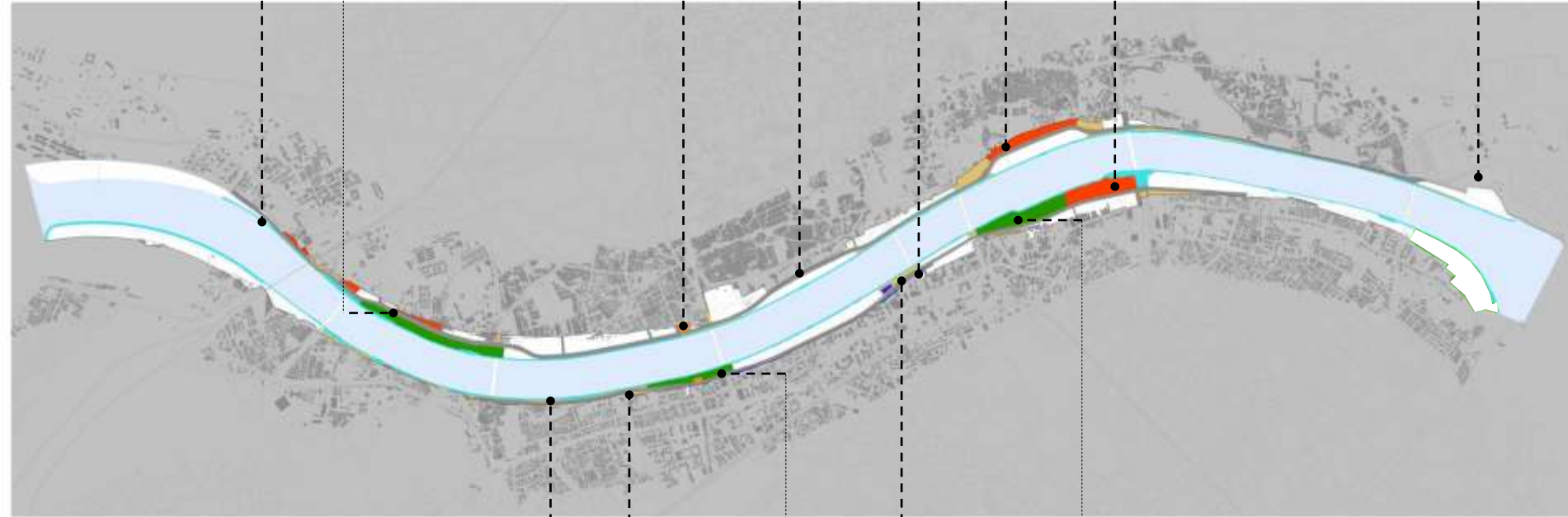
Utilities

Vikram Sarabhai  
Sculpture

Usmanpura  
Garden

Riverfront House

Flower Park



Ashram Baug



Flower Park



Riverfront House



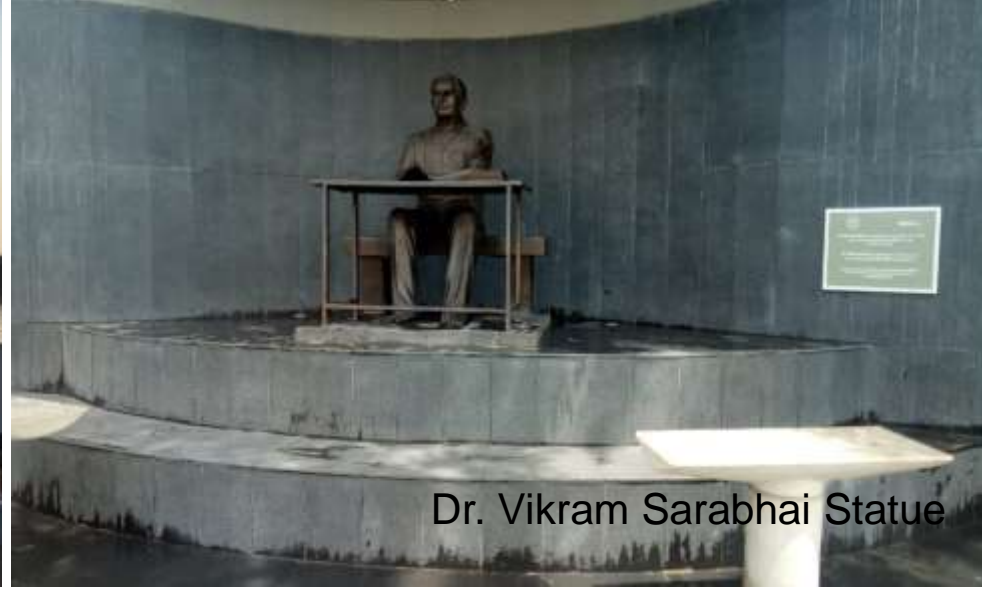
Event Ground



Atal Ghat



Dr. Vikram Sarabhai Statue



Chhath Ghat







## Developing socio-cultural infrastructure – **on-going works**

# State-of-the-art Pedestrian Bridge

Sabarmati Riverfront

Reconnecting Ahmedabad to its River





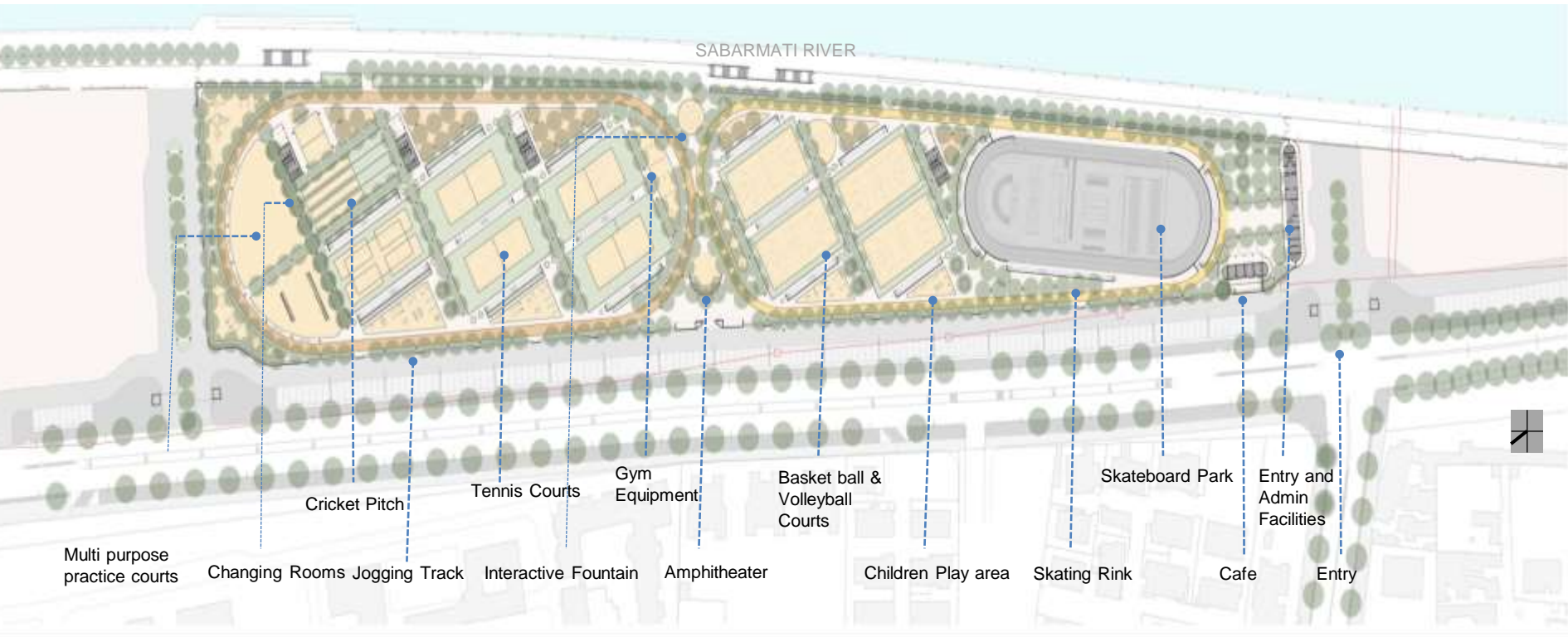
# Multi-level Car Parking

Sabarmati Riverfront

Reconnecting Ahmedabad to its River



# Int. Std. Sports Complex & Training Academy - West Bank



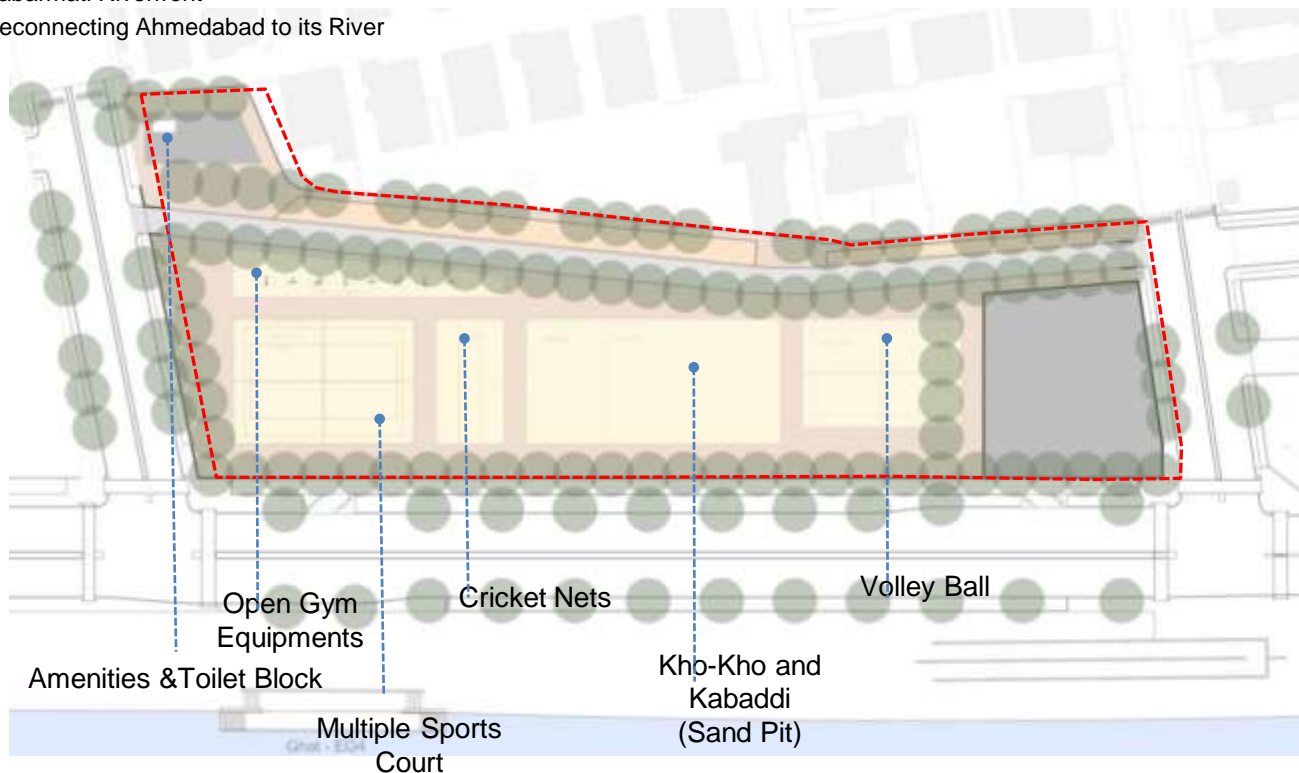




# Int. Std. Sports Complex - East Bank

Sabarmati Riverfront

Reconnecting Ahmedabad to its River





# Exhibition + Cultural + Art Centre - Proposed

Sabarmati Riverfront

Reconnecting Ahmedabad to its River





# Bhikhabhai Garden on West Bank - Proposed

Sabarmati Riverfront

Reconnecting Ahmedabad to its River







# Khanpur Park - Proposed

Sabarmati Riverfront

Reconnecting Ahmedabad to its River





# Museum of Humanity - Proposed

Sabarmati Riverfront

Reconnecting Ahmedabad to its River







Sabarmati Riverfront  
Reconnecting Ahmedabad to its River



# River of Art - Proposed







Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

### 3. Creating a World-class model of urban excellence that would optimize return on investments



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# Monetizing land



Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

Sabarmati Riverfront is, therefore, developing two parcels on model concepts, with public transport system that shall also catalyze investments in the surrounding cityscape:

1. The West Bank between Nehru and Gandhi Bridges - **Ahmedabad Waterside**
2. East Bank between Dadhichi and Gandhi Bridge - **Ahmedabad Innovation Hub**





# Two Development Initiatives

Sabarmati Riverfront  
Reconnecting Ahmedabad to its River



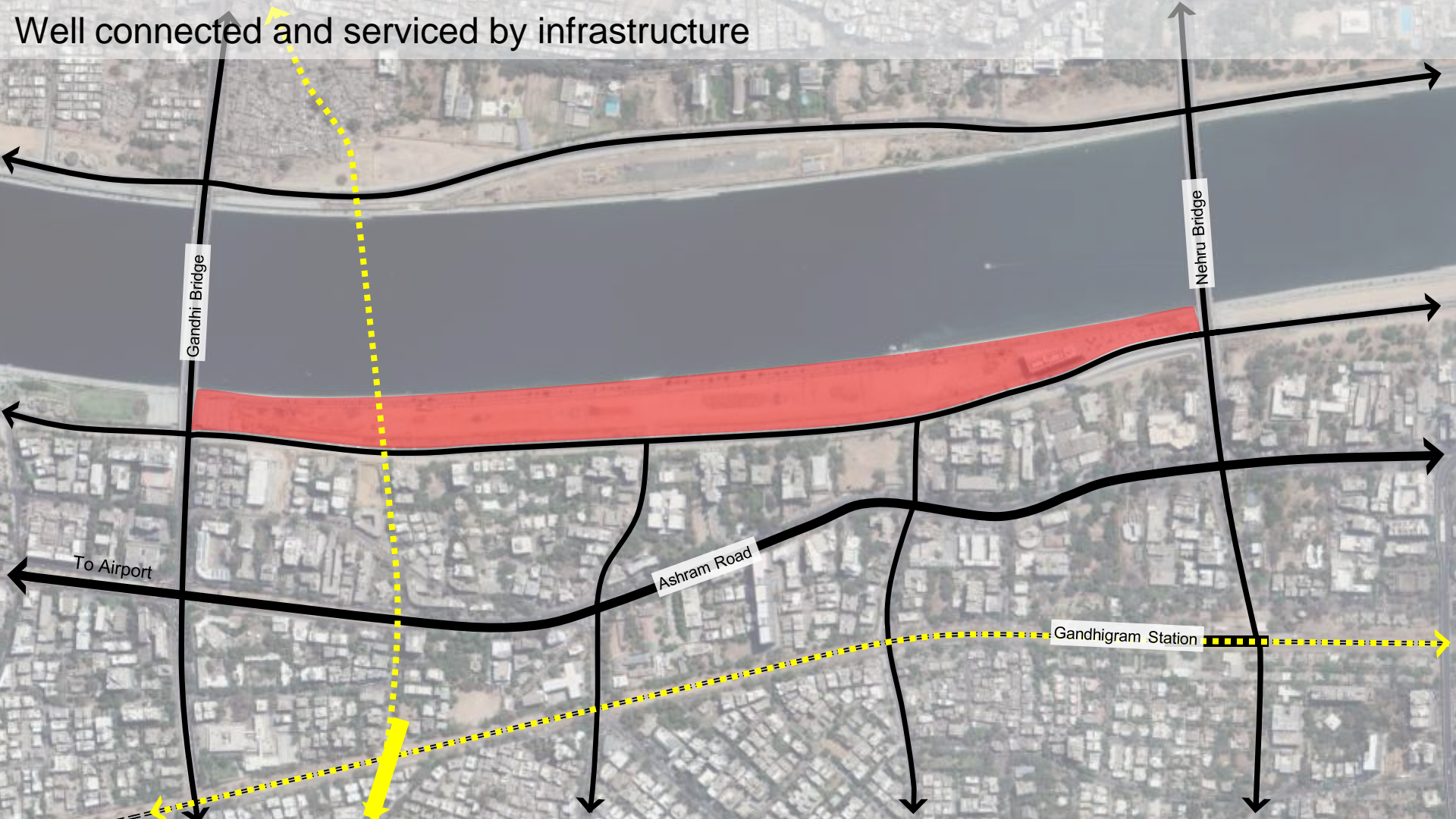


Located at the center of Ahmedabad



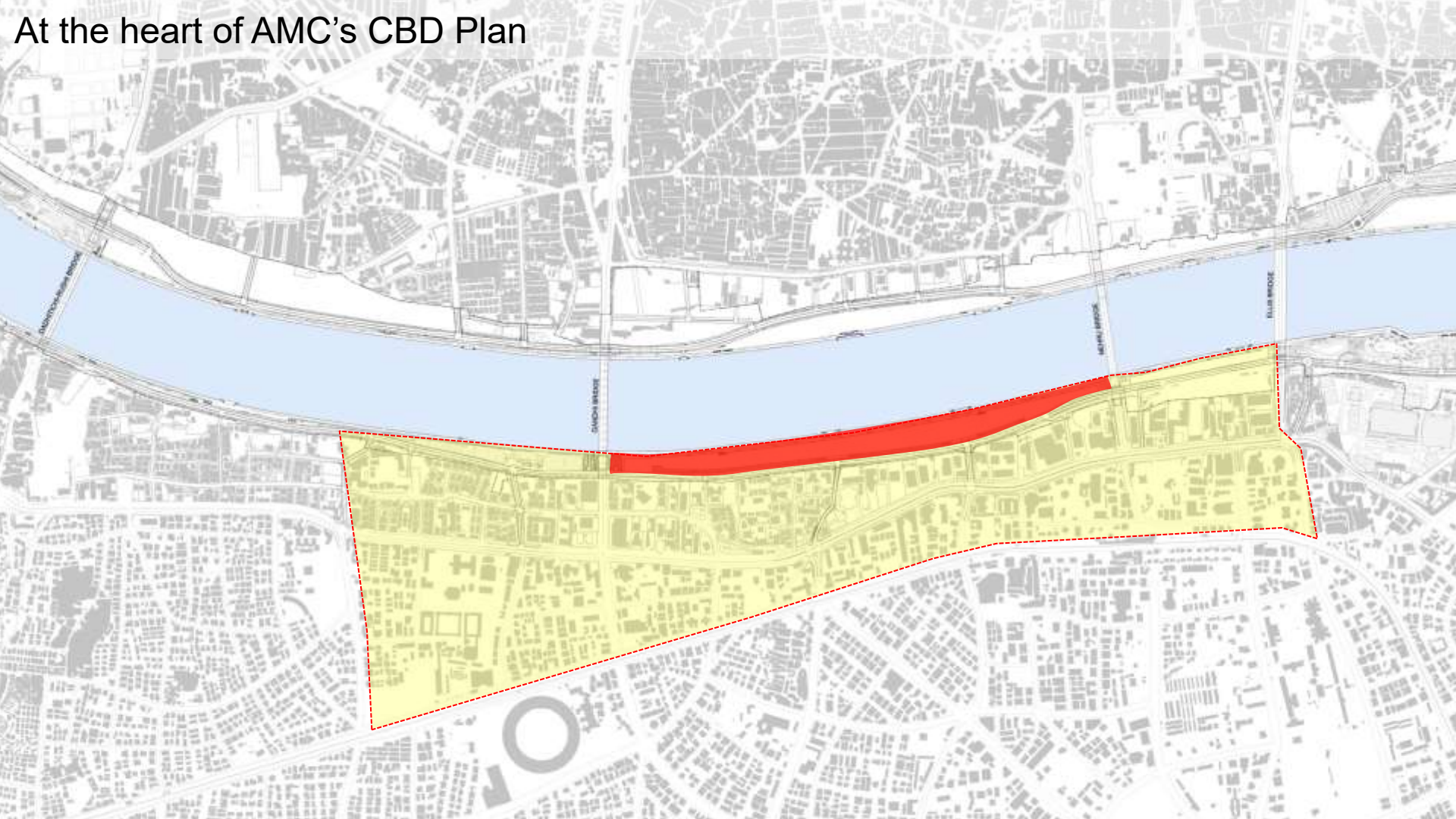


Well connected and serviced by infrastructure





At the heart of AMC's CBD Plan





Sabarmati Riverfront

Reconnecting Ahmedabad to its River

## Ahmedabad Waterside - Vision

An international quality waterfront development for Ahmedabad

A unique and attractive investment opportunity

An iconic entertainment and retail destination for Ahmedabad

An anchor and catalyst for the redevelopment of Ahmedabad's CBD

Creating more access routes to the Riverfront

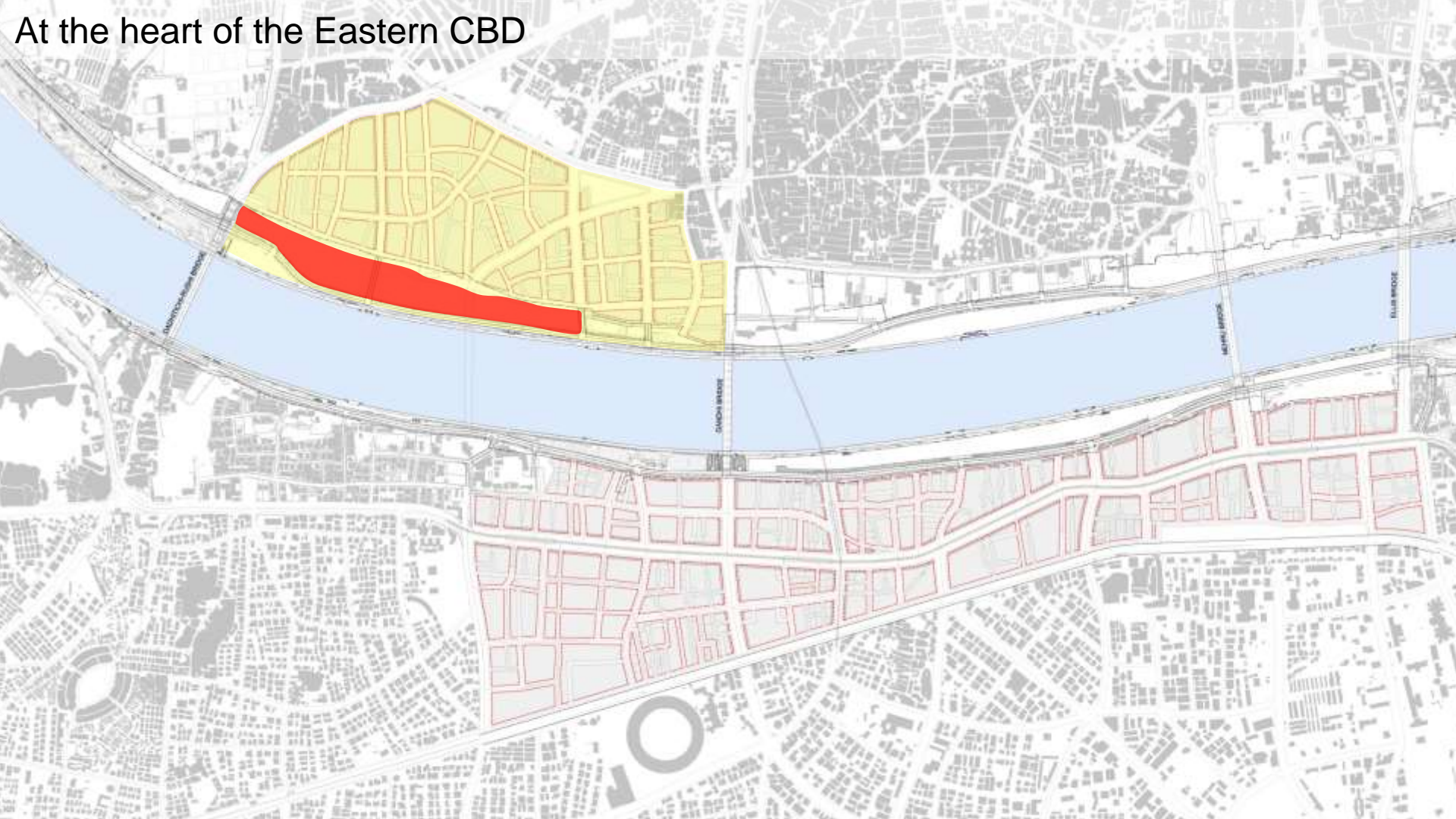




Ahmedabad Innovation Hub: Area – 74,269 sqm.



At the heart of the Eastern CBD





Ahmedabad Innovation Hub – 5.7 mn. sq. ft. of mixed-use space





# Ahmedabad Innovation Hub







Ahmedabad's Central Business District in future





The Riverfront shall be home to iconic buildings adhering to Green building norms

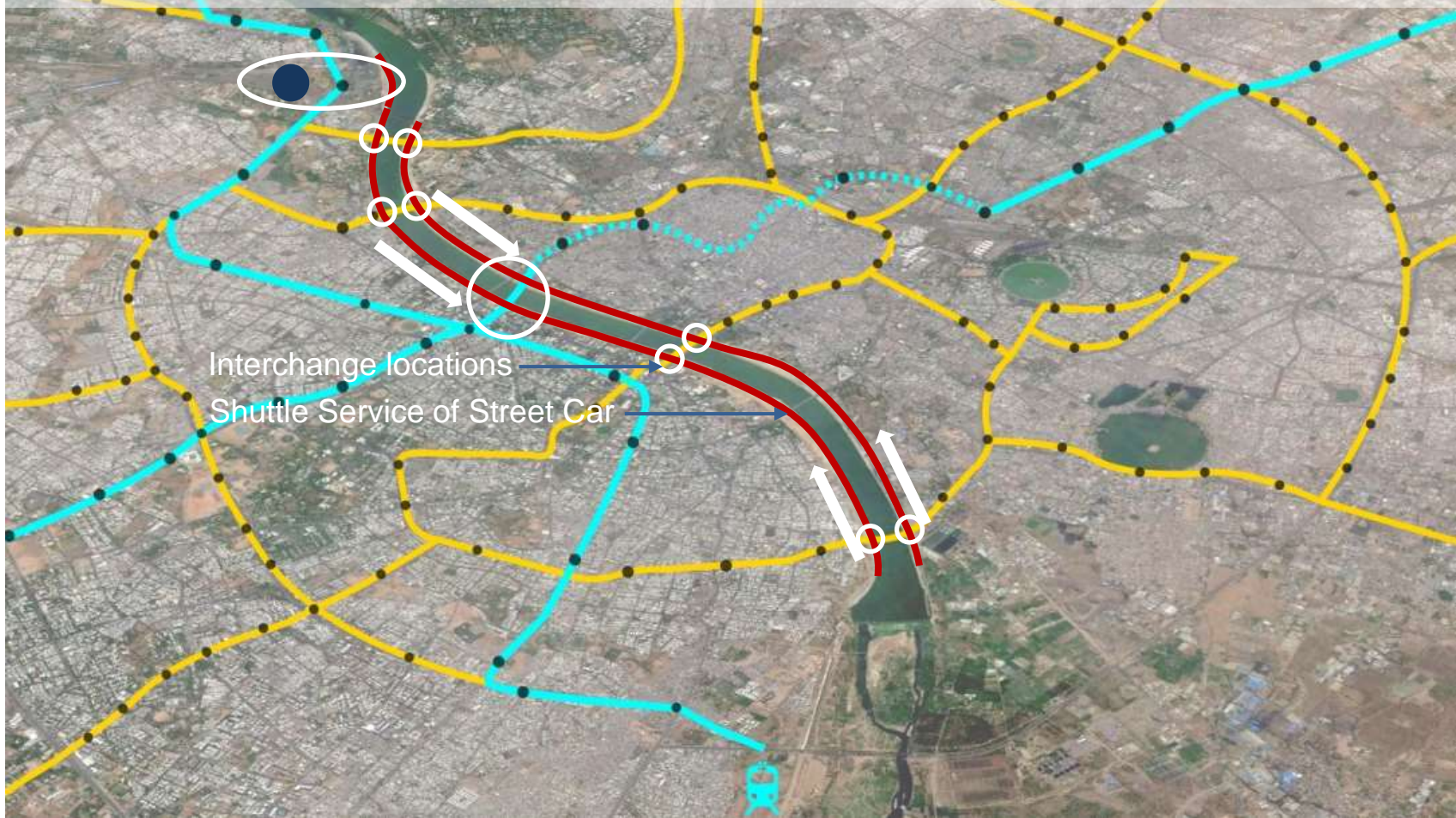




The Riverfront shall have interactive public spaces that are enjoyable



The planned development will be serviced by a dedicated mobility corridor along the Riverfront (Street Car and Water Taxi) with integrating Bullet Train, BRTS & Metro







# Sabarmati Riverfront Development Project

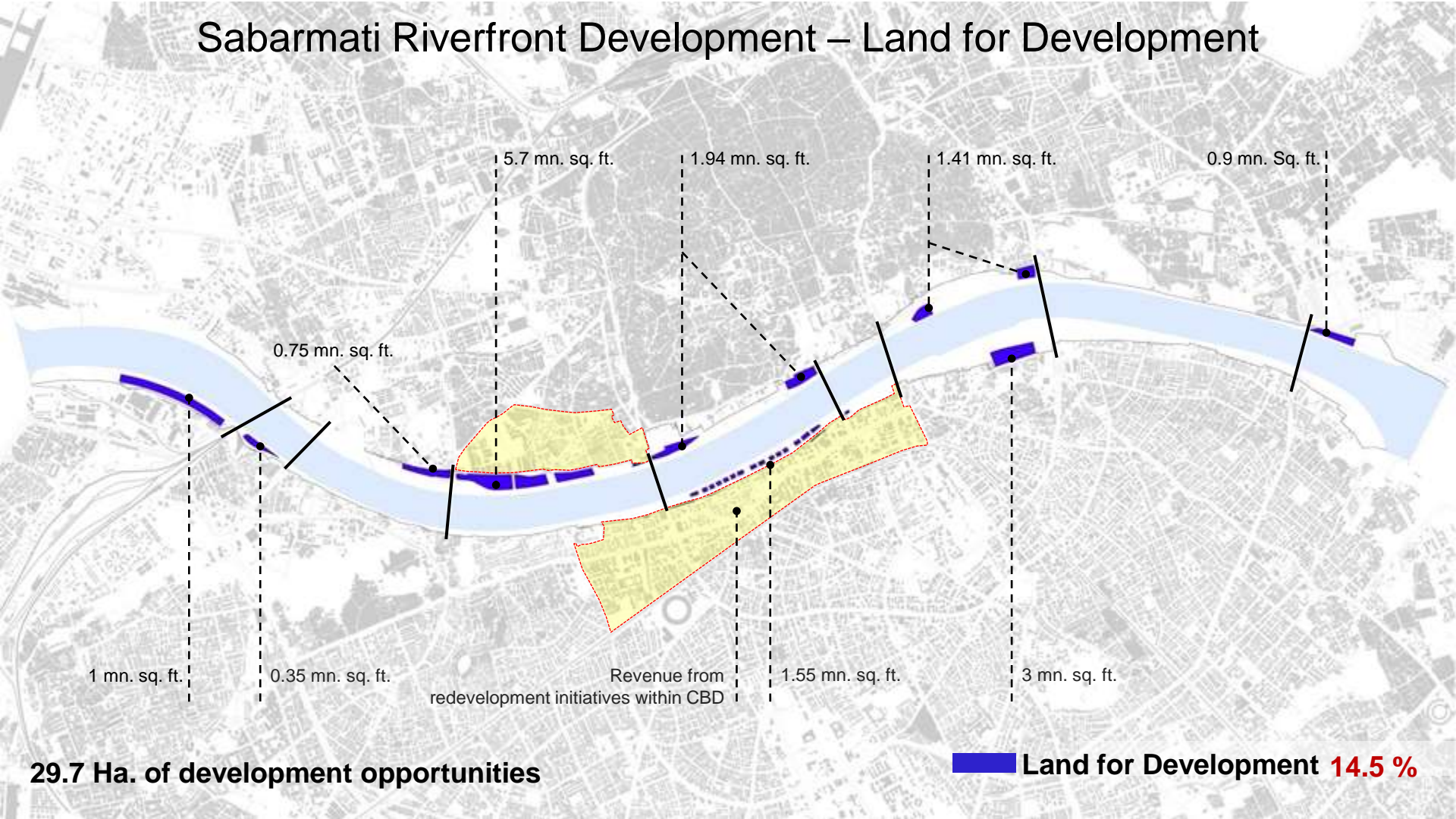
## Riverfront Masterplan

Sabarmati Riverfront  
Reconnecting Ahmedabad to its River





# Sabarmati Riverfront Development – Land for Development



29.7 Ha. of development opportunities

**Land for Development 14.5 %**



# Mixed Use Development Plan for Proposed Land Use

Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

Sr. No.	Proposed Land Use	Area Sq. mtr.	Area Ha	%
1	Roads	403562.36	40.36	19.69
2	Residential Zone 1	7988.55	0.80	0.39
3	Central Business Development	56860.45	5.69	2.77
4	Multi Use	297119.07	29.71	14.50
5	Residual	916.14	0.09	0.04
6	Garden	274585.49	27.46	13.40
7	Open Space	376610.71	37.66	18.38
8	Public Purpose	281812.29	28.18	13.75
9	Public Utilities	8360.27	0.84	0.41
10	Lower Promenade	273892.72	27.39	13.37
11	Sports Purpose	67380.52	6.74	3.29
12	Burial Ground (Residual)	108.44	0.01	0.01
		2049097	204.91	100





Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# SRFDCL DEVELOPMENT PLAN

Total Land Area: 204.91 Hectare

Land for Development: 14.5%= 29.71 Hectare

Total Saleable Built Up Area: ~ 16.6 mn. sq. ft.

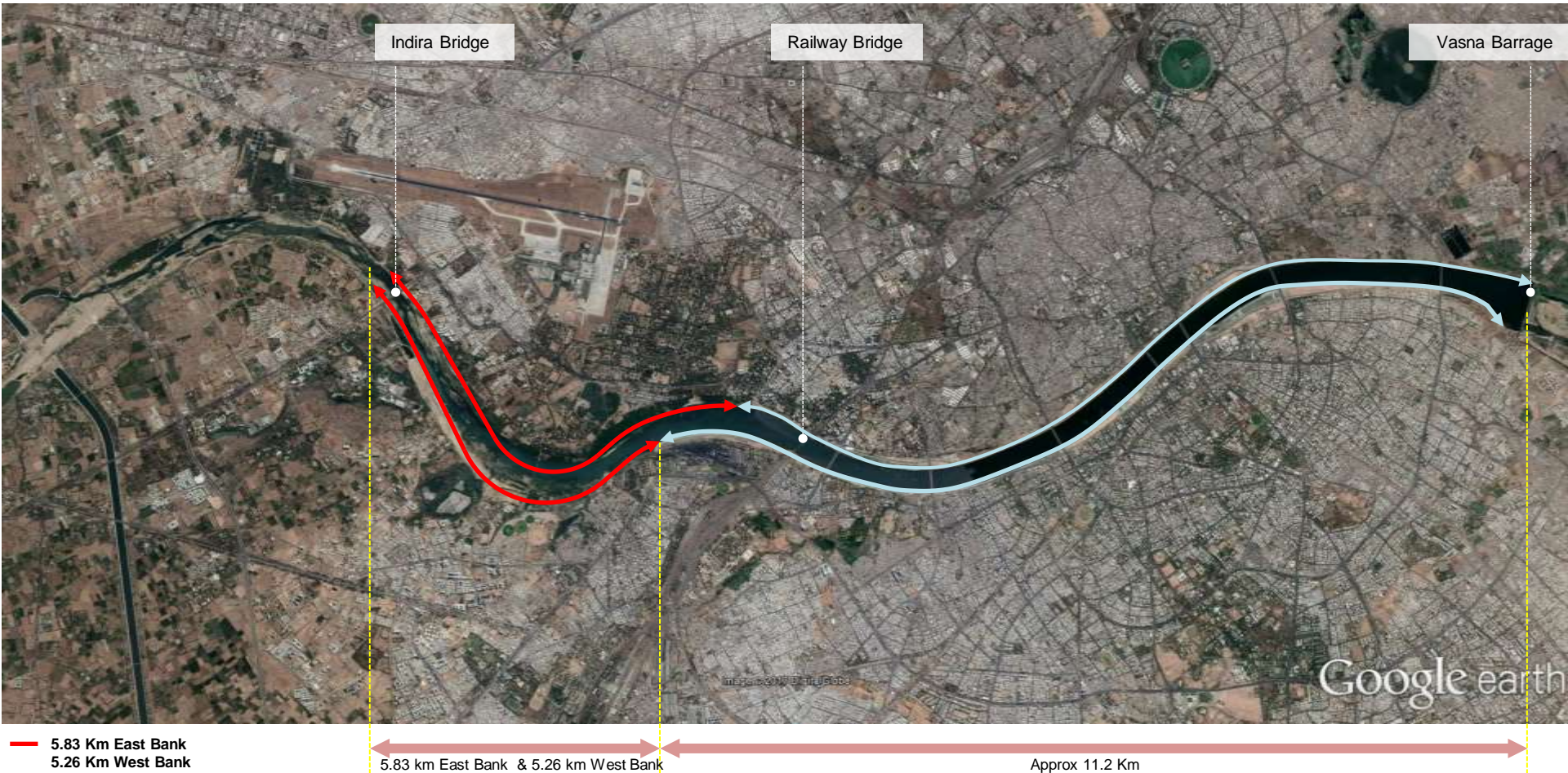


Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

# Future growth of the Riverfront

## Phase 2 of development

# Sabarmati Riverfront Development - Phase 2







**Indira Bridge**

**Railway Bridge**

**Subhash Bridge**

**Proposed Bridge cum Barrage**

**Cantonment**

**Duffnala**

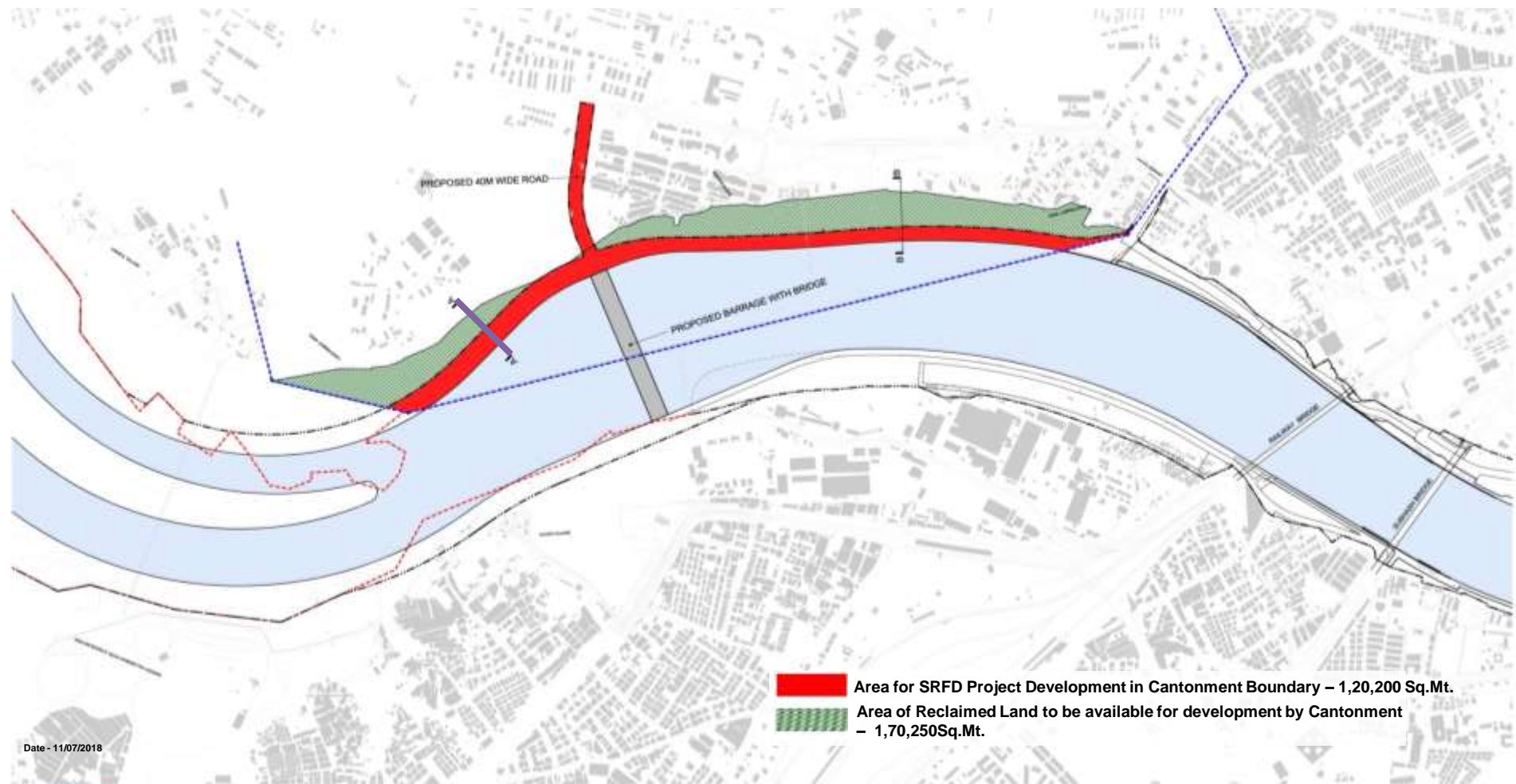
**Passenger Hub**

**Torrent Power**

**Bullet Train Terminal**

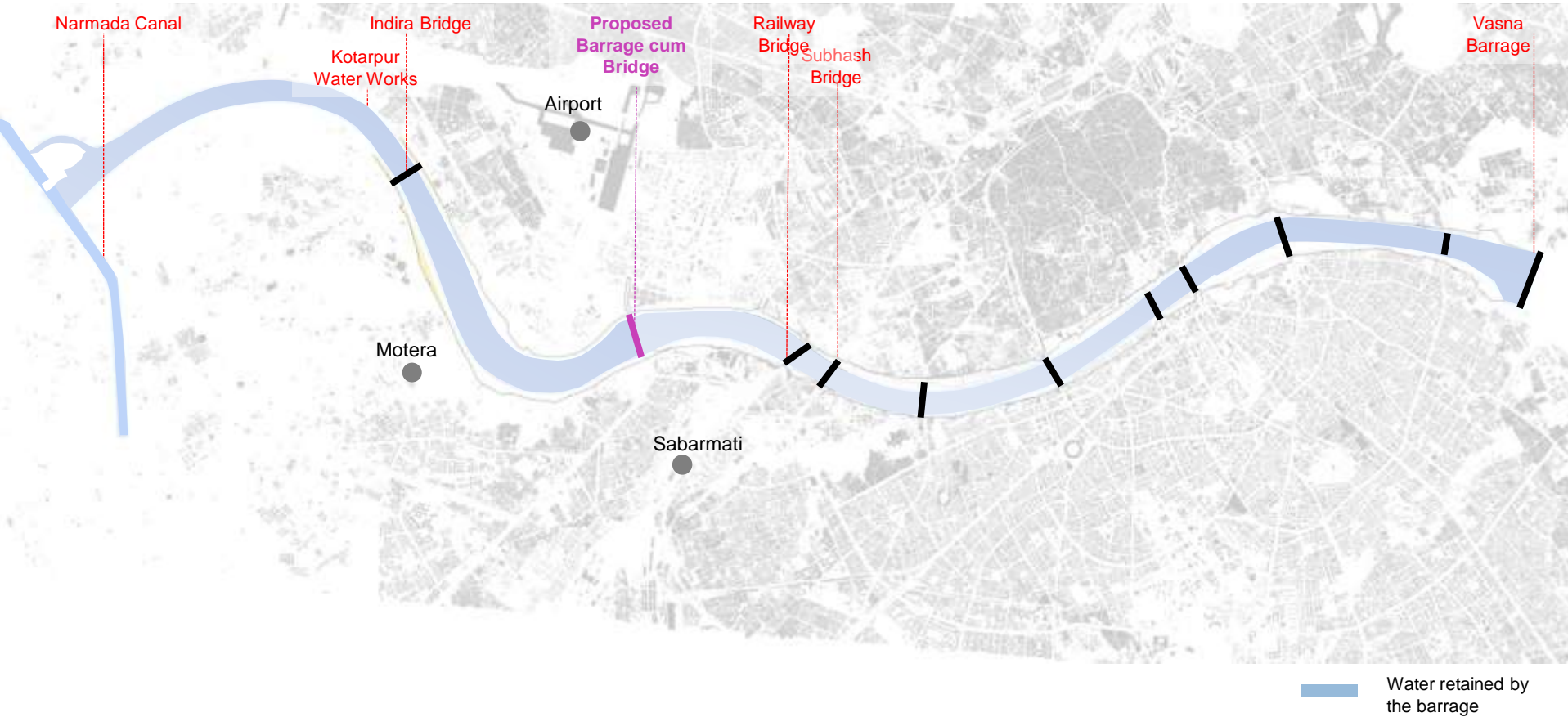
- Proposed Bridge cum Barrage will connect Sabarmati & Airport Area through Cantonment
- The Central Design Organization (CDO), Irrigation Department has been requested to prepare the design of the proposed Bridge cum Barrage. Hydrological study has also been initiated

Approximately 1,70,250 Sq. Mt. of reclaimed land ( worth approx 800-900 cr INR) to be made available for Cantonment use





The water stored by the proposed barrage can be used as a reliable drinking water source by the city – **can store 15 days of Ahmedabad's water consumption promising water security**







# Sabarmati Riverfront Development - Phase 2

Sabarmati Riverfront

Reconnecting Ahmedabad to its River





# Sabarmati Riverfront Development - Phase 2

Sabarmati Riverfront

Reconnecting Ahmedabad to its River





Sabarmati Riverfront  
Reconnecting Ahmedabad to its River

Thank you