



Ministry of Housing and Urban Affairs  
Government of India



# KARNAL SMART CITY

# Streets for People

## CHALLENGE

**Design competition brief**  
November 2020



About

# Streets for People

## CHALLENGE

The ***Streets for People Challenge*** is an initiative of the Smart Cities Mission, Ministry of Housing and Urban Affairs (MoHUA), Government of India, to inspire cities to create walking-friendly streets through quick measures, in response to COVID-19.

The Challenge aims to create flagship walking initiatives in cities, which focus on placemaking and liveability. 113 cities have registered for this Challenge to reimagine their streets as public spaces through the lens of economic regeneration, safety, and child-friendly interventions, in order to ensure a green recovery from COVID-19.

**The city-led design competition aims to crowdsource innovative ideas for designing and testing the pilot interventions through quick, low-cost solutions.**



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## City overview

# Karnal

Karnal, the “Rice bowl of India” is a prominent historical city of Haryana and is also known as a city of 'Daanveer Karn'. It is known all over the world for production of rice, wheat and milk. It is also known for agriculture research Institutions like National Dairy Research Institute (NDRI), Central Soil Salinity Research Institute (CSSRI), Wheat Research Directorate, National Bureau of Animal Genetics Resources, Sugarcane Breeding Institute etc.

Karnal is one of the important cities of the State of Haryana and governed by the Municipal Corporation. Administratively, Karnal city is the district headquarter of Karnal District. Situated on National Highway 44, historically known as Grand Trunk (GT) road, it lies midway between Delhi and Chandigarh; 125 kms away from National Capital of Delhi and 130 kms from Chandigarh, the State Capital of Haryana. Karnal city corporation area population is 357,334 as per 2011 census data. Karnal is the eight largest cities of Haryana. The city has 20 administrative wards and it has a high literacy rate of 86 percent of total population. Population density of Karnal is 10,255 persons/sq km. Karnal is known as economically vibrant city and employment opportunities.





# Call for ideas

The competition is an important step in the **Streets for People Challenge**. It aims to crowdsource innovative ideas from professionals and students from architecture, urban planning, and other relevant fields to design streets for people in their cities.

Following the **test-learn-scale approach**, the competition is looking for economical solutions that are quick, innovative, and easy to test.

The winning designs will be tested on ground using cost-effective tools, in collaboration with the local community.

[Register here for the competition](#)

A woman in a blue long-sleeved shirt and jeans is holding a young child in a plaid shirt. They are both laughing and looking at each other. The woman has a patterned bag slung over her shoulder. They are on a city street at night, with a restaurant sign visible in the background. Other people are walking around, and there are trees and streetlights. The scene is lively and urban.

The goal of the competition is to reimagine streets as **safe, healthy, and happy public spaces for all!**

# Design principles

## 01 Fair distribution of space

Streets for people ensure **efficient mobility** by offering multiple modes of travel, especially **high quality facilities for public and non-motorised transport**.



## 02 Safety & Security

Streets for people are **safe for all user groups** by providing segregated spaces for each and incorporating **traffic calming measures**. Personal safety is also ensured, with **good lighting** and 'eyes on the street' through **active street edges and vending**.



Source: Bangalore mirror

## 03 Comfort

Streets for people are **accessible by all, including the differently-abled. Continuous and even-surfaced footpaths, table-top crossings, ramps, and tactile pavers, wherever level differences occur, seating and trees** are some measures to ensure universal accessibility and better comfort for all users.



## 04 Sensitivity to local context

Streets for people are **designed to suit the local context, factoring in street activities, patterns of pedestrian movement, nearby land uses, and the needs of the people.** Design interventions can range from contextual street elements to street-level interventions like shared or pedestrianised streets.





## 05 Liveability

Streets for people are full of life, with **elements that enhance the liveability of the space**. These elements improve conditions for existing users, attract more users, increase retail activity, and **transform the street into a vital public space**.



## 06 Environmental sustainability

Streets for people promote sustainable modes of transport and **improve local climatic conditions**. Trees and plants help absorb pollutants and improve micro-climatic conditions.



Source: Townshend Landscape Architects



# Design tools

Tactical Urbanism is an approach that uses short-term, low-cost, easy to build, and scalable interventions to catalyze long term change.

Following this approach, we're looking for design and policy solutions that activate spaces to make it safe, healthy, and happy, by:

- Using placemaking elements
- Reorganising existing activities
- Introducing new activities



# Importance of community

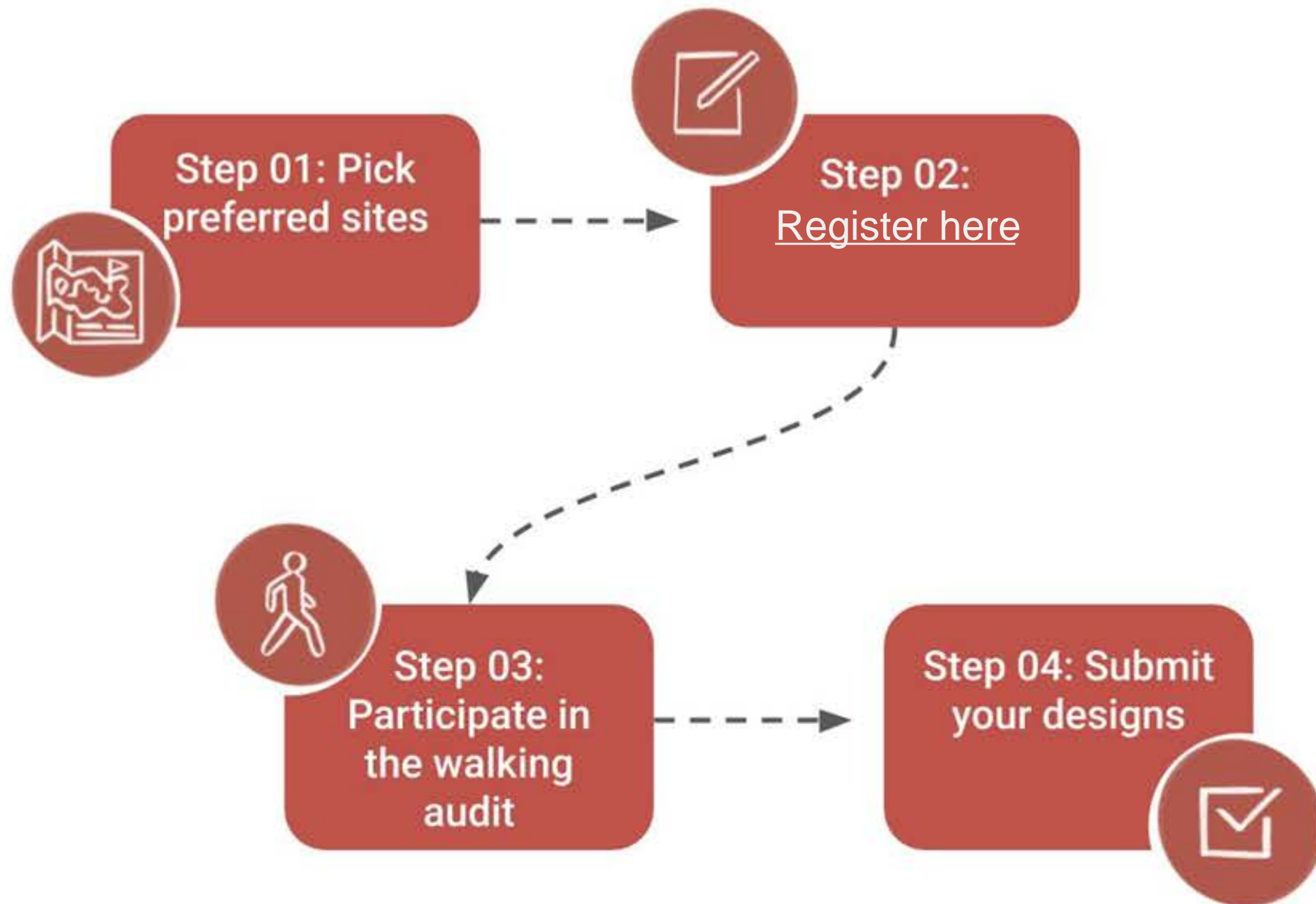
The *Streets for People Challenge* places the **community at the heart** of all design interventions. Emphasising on a bottom-up approach, all design solutions must be in alignment with the **needs of the community** for whom the design is implemented.

Designers must **study and understand the local context** thoroughly and incorporate the findings in the suggested design solutions. Response to local context is a key criteria for final assessments.

The Challenge includes various activities to strengthen the citizen-led approach such as open streets campaigns, walking audits with participants, and perception surveys.



# Participation procedure



Here are four steps towards the submission!

- 1 | **Select the sites** for which you wish to develop the design solutions. The information about the sites is provided in the following pages.
- 2 | Next, please **register** through the given link and let us know!
- 3 | Join us for the **walking audit** at the pilot sites.
- 4 | Using the insights from the walking audit, to **develop the design** and **submit them before the deadline!**

**We look forward to seeing your awesome design solutions!**

# Proposal for pilot

Under the **Streets for People Challenge**, the cities will test at least one pilot; comprising of a flagship public space project and a liveable neighbourhood. Hence, this 'call for ideas' include sites for both components. Participants can select either or both of the sites to provide design solutions.

The sites fall under any of the typologies listed below:

## **Flagship public space:**

- 1 | Market / Retail areas
- 2 | Transit hubs

## **Liveable neighbourhood:**

- 1 | Mixed-income neighbourhoods
- 2 | Resettlement colonies
- 3 | Unplanned low-income neighbourhoods

## Designing the pilot



### **Flagship public space**

- Understand the local context and city's aspirations
- Demonstrate implementable design concepts through complete or partial pedestrianisation strategies
- The design should respond to the vision of the challenge, to create city-level impact

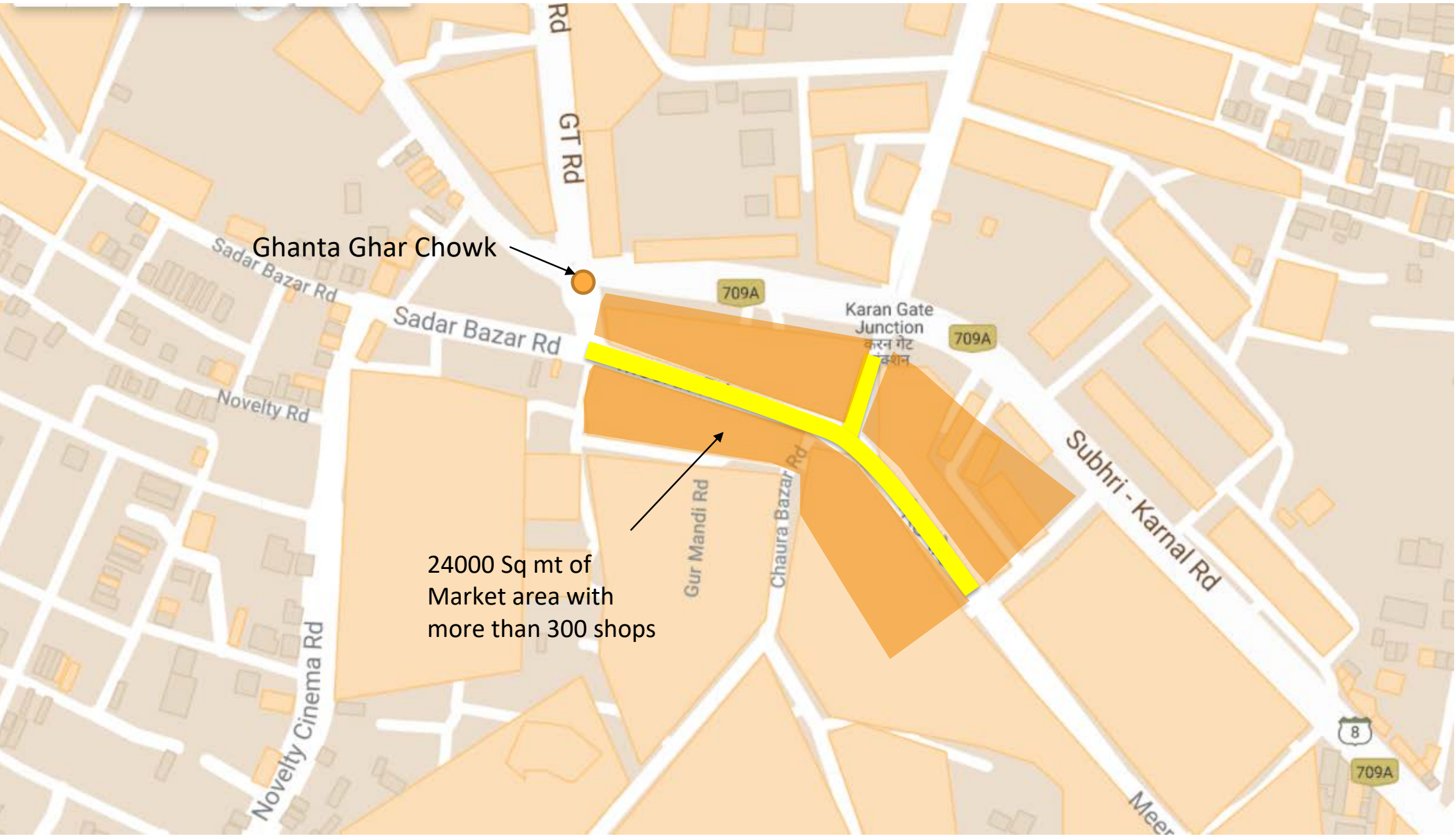


### **Liveable neighbourhood**

- Understand the local context
- Demonstrate implementable design concepts for creating walkable and liveable neighbourhood in holistic manner.
- The design should respond to the needs of local community and ensure safe, inclusive, and comfortable access to amenities and services.

To know more about the typologies, please check out the [\*Online Workshop 01 presentation\*](#)

Sadar Bazar Road from Ghanta ghar Chowk up to 400 Metre towards southeast



# Flagship pilot site -1

*Site A: Sadar Bazar - Markets/ Retail Areas*  
*Area of pilot: 0.024 km sq*

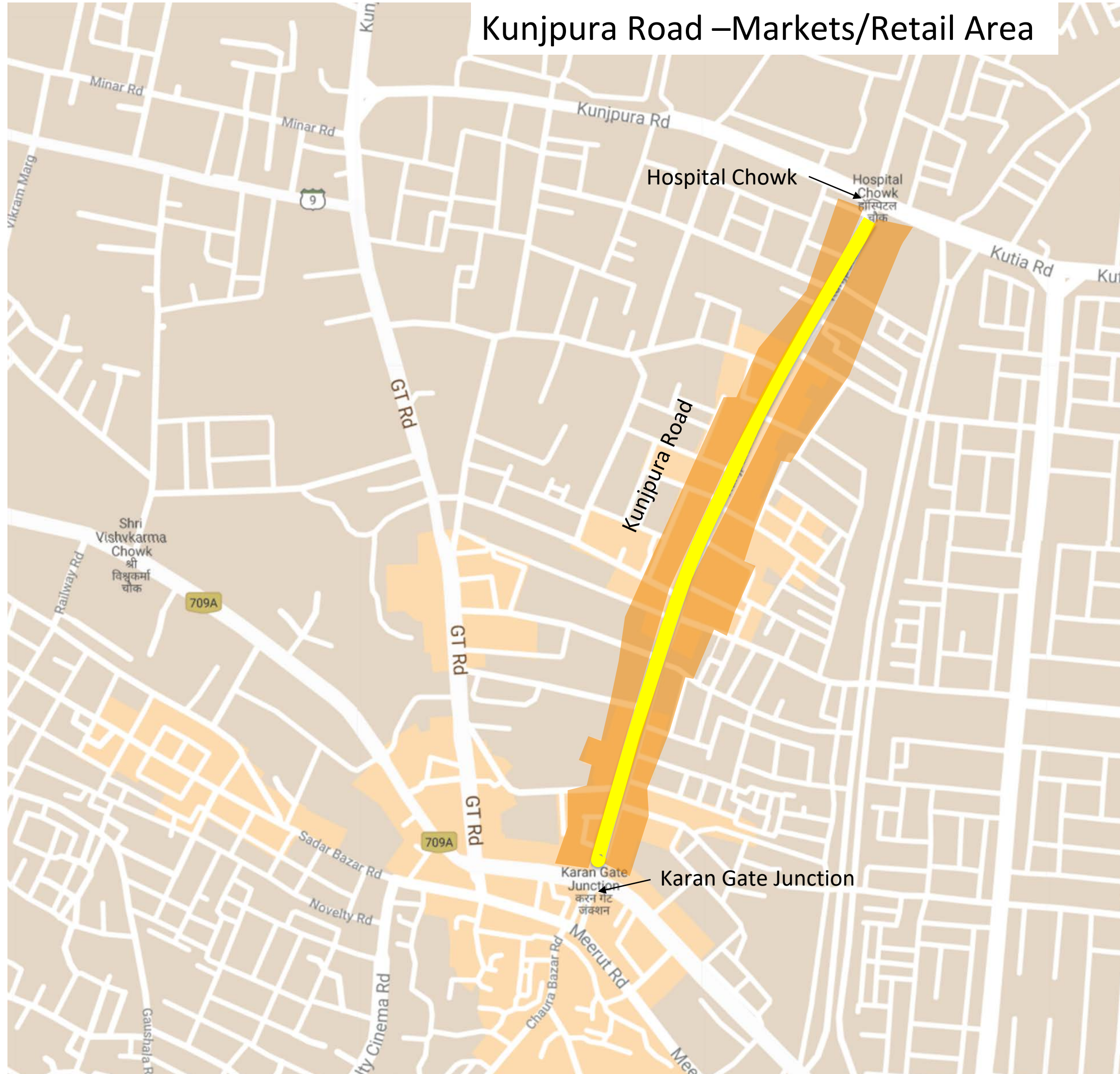
As the oldest market in the city, it acts as the wholesale hub for multiple goods and services required for city. Currently, vehicles, service trucks, 2 wheelers, hand carts, labourers and shoppers are merged together on streets of the market area leading to an unsafe and chaotic environment.

The site for the competition extends from Ghanta ghar Chowk to up to 400 Metre towards southeast

The design solution should also include a strategy to make the area around the street walking friendly

Click [here](#) to download site details

## Kunjpura Road –Markets/Retail Area



## Flagship pilot site -2

*Site B: Kunjpura Road Markets/ Retail Areas*

*Area of pilot: 1.0 km sq*

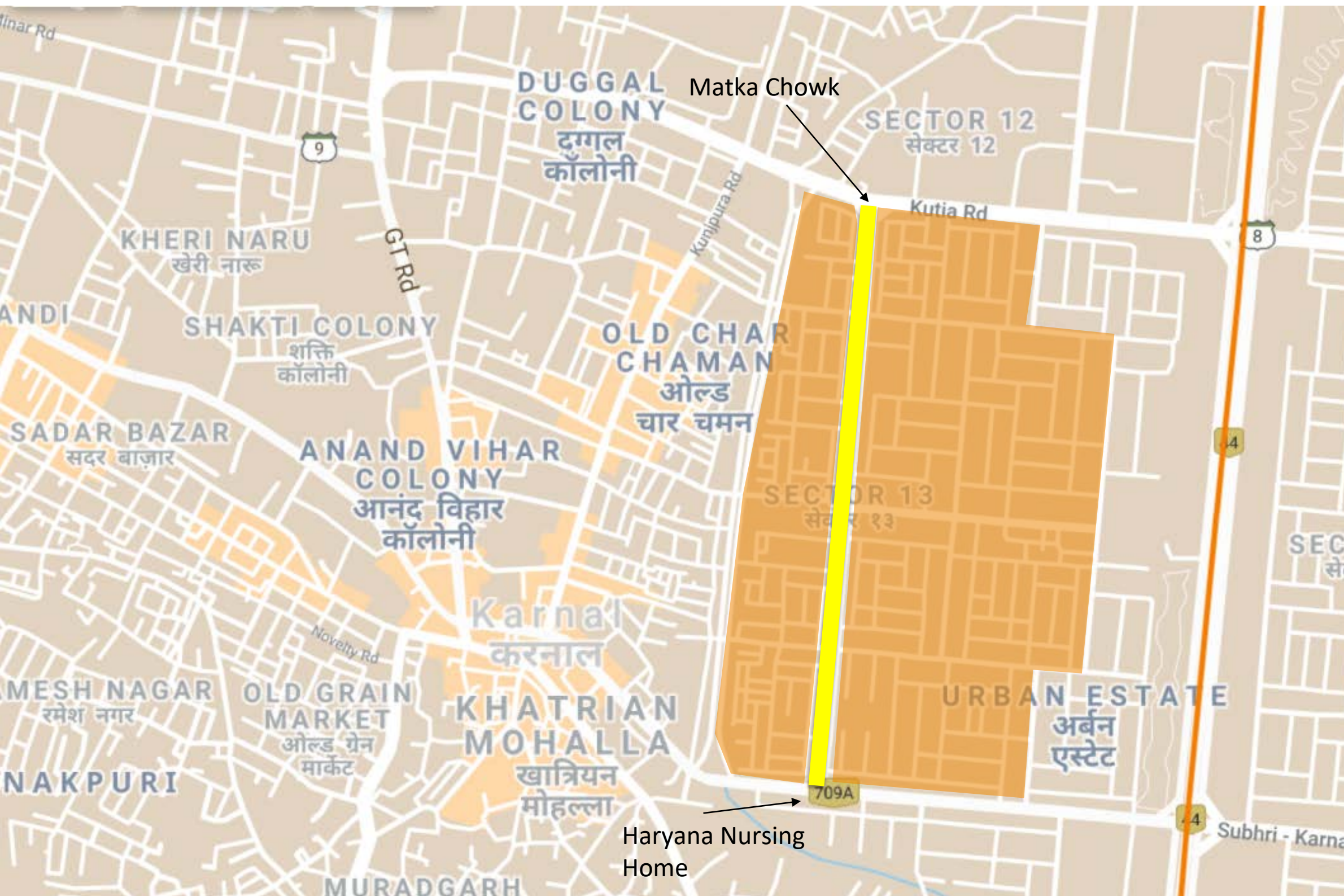
Retail upmarket area in the city. Currently, private vehicles, 2 wheelers, LCVs are parked in front of the shops, leaving no space for the pedestrians or NMT along Kunjpura Road. It creates unsafe and chaotic condition for the both pedestrian and vehicular traffic.

The site for the competition extends from Hospital Chowk to Karan gate junction

The design solution should also include a strategy to make the area around the street walking friendly

Click [here](#) to download site details

## Sector 13 – Mixed income Neighborhood



## Neighbourhood site

*Site C: Sector 13 - Mixed Income Neighborhood*  
*Area of pilot: 1.0 km sq*

Sector 13 Mixed income neighborhood is located at the centre of the city with a total area of 1.0 square kilometers. The area includes food joints, parks and playgrounds, community centre, schools and hospitals other than medium density residential.

The site for the competition extends from Matka Chowk in the north to Haryana Nursing Home in south.

The design solution should also include a strategy to make the area around the street walking friendly

Click [here](#) to download site details



# Timeline

Any changes to the timeline will be notified to the participants in advance.

Competition  
roll-out  
9<sup>th</sup> Dec  
2020

Registration  
closes  
30<sup>th</sup> Dec  
2020

Walking  
Audit  
5<sup>th</sup> Jan  
2021

Submission  
by 11:59 pm IST  
25<sup>th</sup> Jan  
2021

Announcing  
of results  
11<sup>th</sup> Feb  
2021

## Note

All winning teams are expected to assist the city with:

- Refining the design based on the inputs from community, city officials, and other stakeholders;
- Testing the design on the ground;
- Monitoring and Evaluation of implemented design.



## Eligibility criteria



**Professionals**



**Students**



**Multi-disciplinary  
collaborations**

- Professionals and students in the fields of architecture, urban design, planning & other relevant fields are eligible.
- At least 1 team member should be a local resident of the city, who will serve as the representative.
- Multi-disciplinary collaboration is highly encouraged.
- There is no restriction on the number of members per team.

## Evaluation criteria

All submitted design proposals will be evaluated based on the following criteria:

- Originality of idea
- Understanding of the local context
- Inclusivity of the design solutions
- Feasibility of implementation
- Fulfilment of submission requirements in the prescribed format

**The entries will be evaluated by local officials, citizens, experts, and other stakeholders.**

# Participation guidelines

- Participants are free to submit multiple entries per team.
- Participants are free to submit entries for multiple cities and for multiple sites per city.
- Any team assisted by a competition organiser or jury member will be disqualified.

Plagiarism of any ideas or images will be disqualified with a notice.



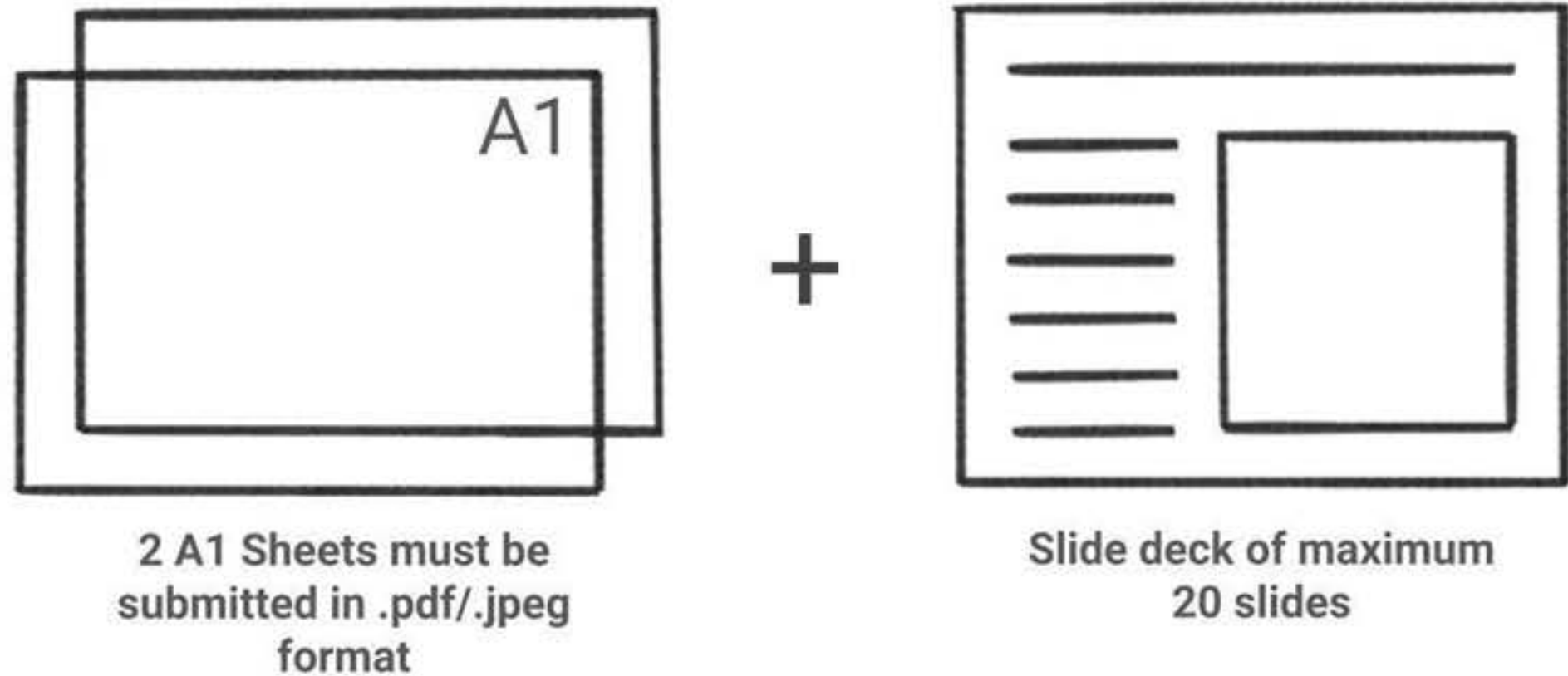
[Register here for the competition](#)

Any change in the timeline will be updated on the competition page in the [Streets for People Challenge website](#)

# Submission guidelines

- 1 | Participants should create a shared folder (to be renamed with the competition ID), which must contain the **2 A1 sheets and the slide deck (20 slides)**. **Maximum folder size : 25MB**
- 2 | Team registration ID and sheet number should be mentioned at the right bottom corner of every sheet. Team names, logos or organisation names **should not be mentioned** on the sheets.
3. Participants should share the drive link to the shared folder at ([smartcitykarnal@gmail.com](mailto:smartcitykarnal@gmail.com)).

For any queries, email us at [smartcitykarnal@gmail.com](mailto:smartcitykarnal@gmail.com)



The submission should cover the following :

- Key plan
- Design concept & diagrams
- Detailed plan and sections of the design intervention
- Implementation strategy addressing parking, vending and other on-site challenges
- Rough budget estimate and phasing
- At least 3 renders / views of the design intervention
- 200-300 word write-up about the design intervention



# Awards

## Shortlisted Entries

Shortlisted entries will be displayed at the *KARNAL Streets for People Exhibition* and circulated via the city's social media platforms.

## Winning Entries

All winning teams will get the opportunity to present, discuss, and develop their ideas with city officials, experts, and the community.

The winning designs will be tested on ground using quick, innovative, and cost-effective tools.

	<u>1st prize</u>	<u>2nd prize</u>	<u>3rd prize</u>
Site 1 <i>Sadar Bazar Market area</i>	Rs 15,000	Rs 10,000	Rs 5,000
Site 2 <i>Kunjpora Road Market area</i>	Rs 15,000	Rs 10,000	Rs 5,000
Site 3 <i>Sector 13- Mixed Income Neighborhood</i>	Rs 15,000	Rs 10,000	Rs 5,000

# Karnal Smart City

## Streets for People

### CHALLENGE

A programme of



[smartnet.niua.org/indiastreetchallenge/competition/](http://smartnet.niua.org/indiastreetchallenge/competition/)