



Ministry of Housing and Urban Affairs
Government of India



INDIA CYCLES 4 CHANGE CHALLENGE

Streets 4 People

CHALLENGE

STAGE 02

**W3: Importance of
designing it right**



Stage:02 progress so far..

India Cycles4Change & Streets4People Challenges

Highlights so far...

24

Cities have formed the **Healthy Streets Apex Committee**

8

Cities have formed the **Healthy Streets Design Cell**

4

Cities have adopted the **Healthy Streets Policy**

19

Cities are working towards adopting the **Healthy Streets Policy**

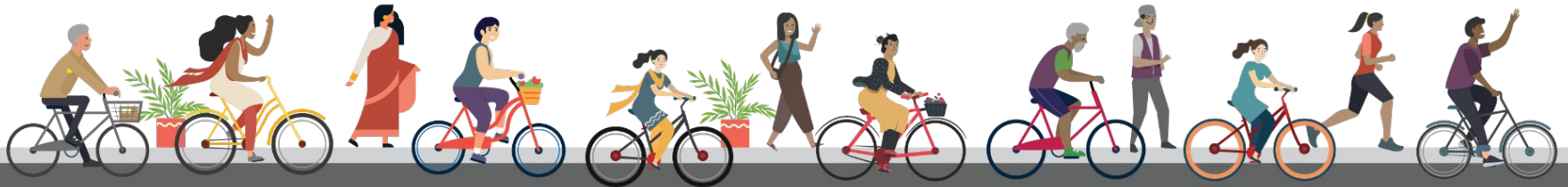
13

Cities have hosted **Open Street Campaigns**
(this year)

1000+

KM of walking and cycling infrastructure is **undergoing implementation***

**Projects after March 2022*



A quick recap of the Bengaluru Workshop!

Healthy Streets offline workshop 1

Healthy Streets Capacity Development Workshop 01

100

City Officials consisting
of CEOs & Engineers,
from 37 cities across
India, attended this
workshop



Overview of the sessions

Goals, Submission Timelines & Launch of Healthy Streets 2023 leaderboard



by Aswathy Dilip

Design & Implementation of walking & cycling infrastructure



- Relooking at project implementation & costs
by Vikas Thakar
- Importance of good street design: What to do and What not to do
by Pranjal Kulkarni
- Discussion with 2 cities on their challenges & learnings on planning, design, implementation moderated by Bala Nagendran

Making walking and cycling a recurring habit



- Effective communication & campaign strategies adopted by cities to build support for walking & cycling presented and moderated by Kashmiri Dubash
 - Aswathy Vinod, Manager Civil, Kochi
 - Meghna Pal, CEO, New Town Kolkata Smart City
 - Charmie Parikh, CEO, Silvassa Smart City

Parking Management



- The need for managing and pricing parking
by Parin Visariya
- Bengaluru's Parking Policy
by Shamanth Kuchangi, DULT
- Parking Management - by Navanita Ramesh Service Provider (CPS)

All presentations are available on our website!

On-ground learnings



Congratulations to all the cities for initiating work towards
the **2023 goals** to achieve the vision of creating
Healthy Streets, Healthy Cities!

**We are excited for our cities to commence work
on their network plans and scale up
Walking & cycling-friendly interventions!**

Goals 2023: Healthy Streets, Healthy Cities (C4C & S4P)

A. ACTION

to implement physical interventions

A1. Test TUs & **Implement permanent cycling interventions**

A2. Test TUs & **Implement permanent walking/placemaking interventions**

B. FOUNDATION

to bring institutional reforms

B1. Adopt the **Healthy Streets Policy**

B2. Adopt the **HS Design Guidelines**

B3. Adopt the 3-Year **Cycling & Walking Action Plan**

B4. Adopt the **Parking Policy**

B7. Set up the **HS Apex Committee**

B8. Set up the **HS Department / Cell**

C. COMMUNICATION

to build momentum

C1. Institutionalise the **Open Streets Campaign**

C2. Declare & Host the **Pedestrian Day, Bicycle Day**

C3. Institutionalise **Cycle2Work / Cycle2Shop Campaigns**

Goals 2023: Healthy Streets, Healthy Cities (C4C & S4P)

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**Before we implement the infrastructure,
let's make sure we DESIGN it RIGHT.**

What will each city achieve in 2023?



15 km*

walking and cycling corridors

with segregated cycle lanes and footpaths (for RoW>18m)



30 km*

of walking and cycling neighborhood network

through footpaths, cycle tracks, traffic calming elements, placemaking



All

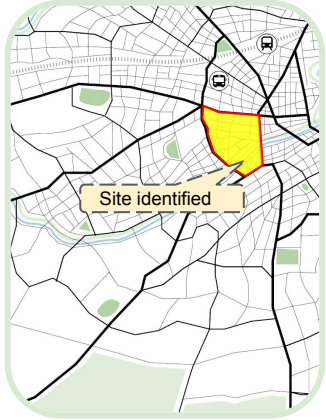
intersections & crossing are safe for walking and cycling



Cycle parking, rentals and repair clinics along the network

**Ensure that the network is connected and continuous*

A1 & A2. Implement permanent interventions - Road map



Source ITDP India

a. Finalise your site & develop project proposal



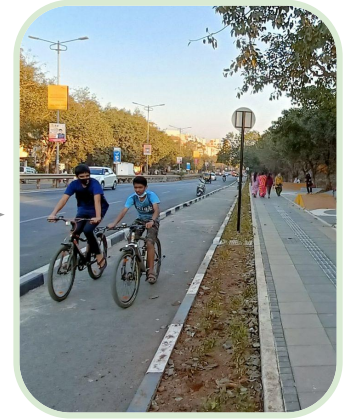
Source Bandra Collective

b. Prepare detailed design



Source: NACTO

c. Test the design & capture learnings



Source ITDP India

d. Make it permanent

Continue to engage with the community & build momentum for walking & cycling!



Step 1: Once you select the site, develop the project proposal

Ensure your project proposal includes the following:

Why this site?

Issues, opportunities, benefits

Site Images & findings

Points from handlebar survey, walking audit, stakeholder interviews

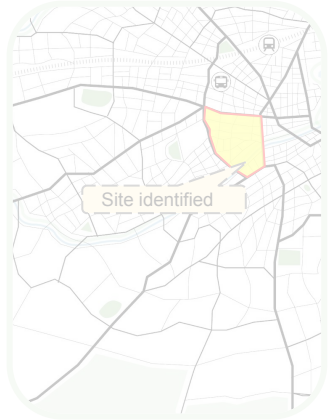
Mention site specifications

Location & length of the identified network

Put these points together in a **presentation or document format** for the RfP.



A1 & A2. Implement permanent interventions - Road map



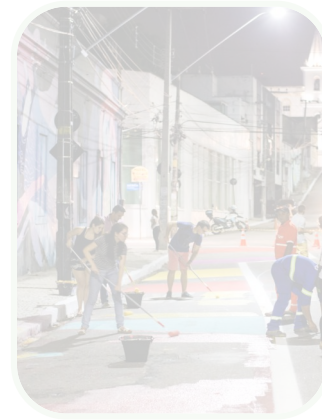
Source ITDP India

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Source ITDP India

d. Make it permanent

Continue to engage with the community & build momentum for walking & cycling!



How does your city prepare detailed designs for implementation?

a. Prepare detailed designs through



Source ITDP India

I. Hiring Design Consultants

II. In house design development

Preferred route!

a. Prepare detailed designs through



Source ITDP India

I. Hiring Design Consultants

II. In house design development

Preferred route!

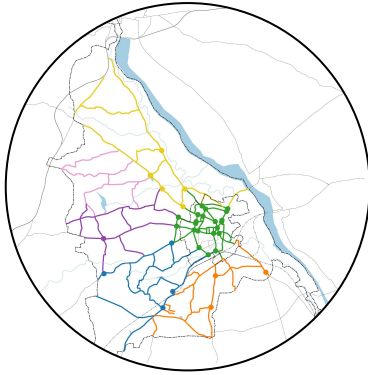
First, let's look at why we need to hire design consultants?

Because they bring a specialised skill-set for the scope of works:

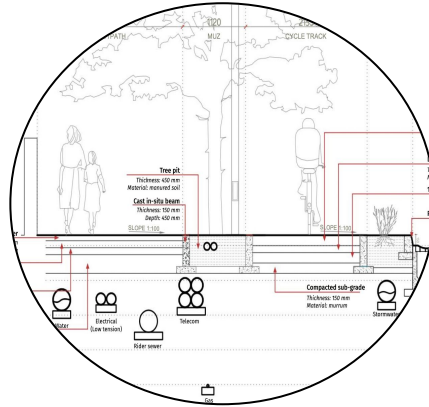
Embracing right design principles and details are key to secure long-term benefits from a project.

Experienced Urban Designers, Urban Planners, & other design consultants are best positioned to support your city on that.

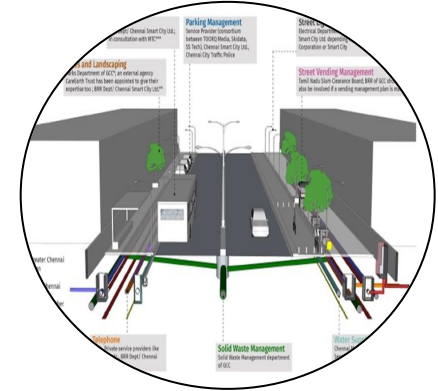
Scope of works include



Creating a city-wide network plan for walking & cycling for the city/neighbourhood



Creating detailed designs for an identified set of streets



Designing details ensuring universal accessibility, integration of utilities, environment sustainability etc.

Let's take a quick look at the scope of work

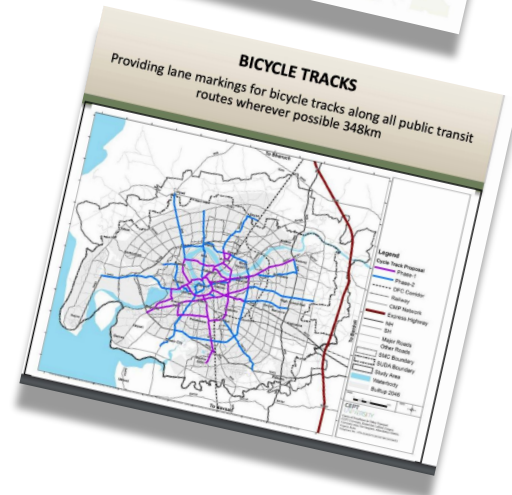
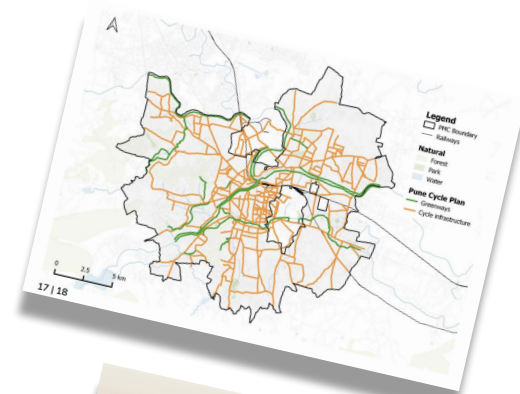
1. Develop a Vision & NMT network plan for the city or neighborhood
prioritizing sustainable transport by improving walkability, bikeability, and access to public transport.

Collect and compile data on existing infrastructure, future proposals, and status-quo of travel behavior through primary and secondary data collection methods from all relevant stakeholders.

Guide the development of a long-term vision that will define clear goals for mobility in the city to attain the desired future.

Prepare a city-wide or neighborhood-wide walking and cycling network plan.

Prepare a phasing plan for the design and implementation of the proposed NMT network plan with an implementation roadmap.



Source: Top - Pune Cycling Network, Bottom - Surat CMP

Let's take a quick look at the scope of work

2. Develop detailed designs in consultation with stakeholders

a. Prepare a concept plan

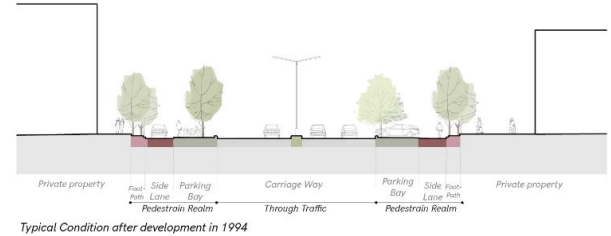
- In conversation with all relevant stakeholders

b. Prepare concept and detailed design

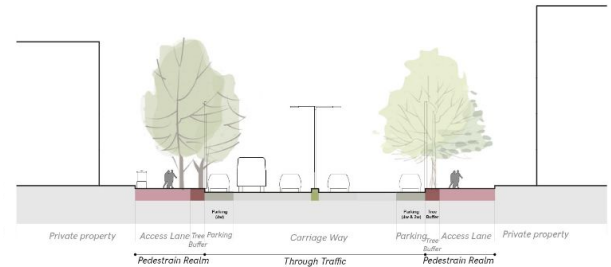
- Design and implementation support for tactical trials
- Preparing traffic and parking management plans
- Prepare bill of quantities
- Develop detailed cost estimates
- Design support and validation during Implementation
- Impact assessment & others



C.G. Road Development - Typical Condition before redevelopment in 1994



Typical Condition after development in 1994



Source: Concept designs prepared by HCP, Ahmedabad for C G Road

Let's achieve this level of streets across our nation!

Examples of streets designed by urban designers:



One Green Mile Project, Mumbai
Source: StudioPOD



Nashik-Phata Wakad road, PCMC
Source: Prasanna Desai Architects

RfP to hire
competent Urban
Designers will be
shared shortly

Then, how do we ensure competent design consultants are hired?

Through a streamlined & stringent evaluation process

Consultants attend pre-bid meeting & submit their bids



All bids are opened and filtered based on pre-qualification criteria

Qualification Criteria
for Consultants

- Past experience working on similar projects, streets, public spaces, with the govt.
- Annual Turn Over, Positive Net Worth, Blacklisting



Shortlisted bids are evaluated based on bid system mentioned in RfP

Technical Evaluation
Criteria

- Marks for extent of relevant street projects done
- Marks for Team Members
- Marks for Technical Capacity

Financial Evaluation
Criteria

- Financial Bid is evaluated based on bid system

Note:

- For small / simple projects, this criteria can be lenient
- For large / complex projects, this criteria can be stringent
- Ensure opportunities for local & national consultants

And by choosing the right bid system

Let's discuss two types of bid systems to hire the right consultants:



**Single Stage
Two Cover**



**Quality Cost
Based System**

And by choosing the right bid system

Let's discuss two types of bid systems to hire the right consultants:

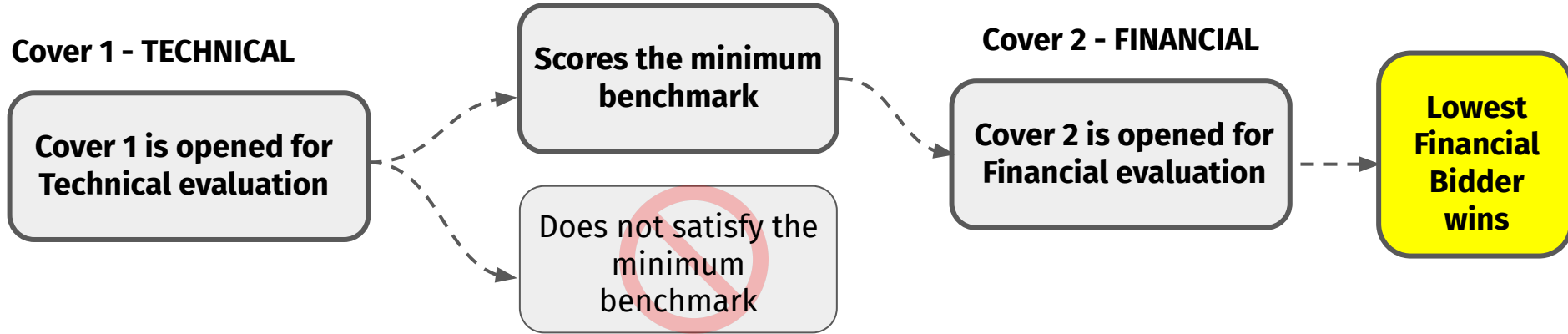
A large yellow circle containing the text "Single Stage Two Cover".

**Single Stage
Two Cover**

A large light gray circle containing the text "Quality Cost Based System".

**Quality Cost
Based System**

Bid System 1: Single Stage Two Cover



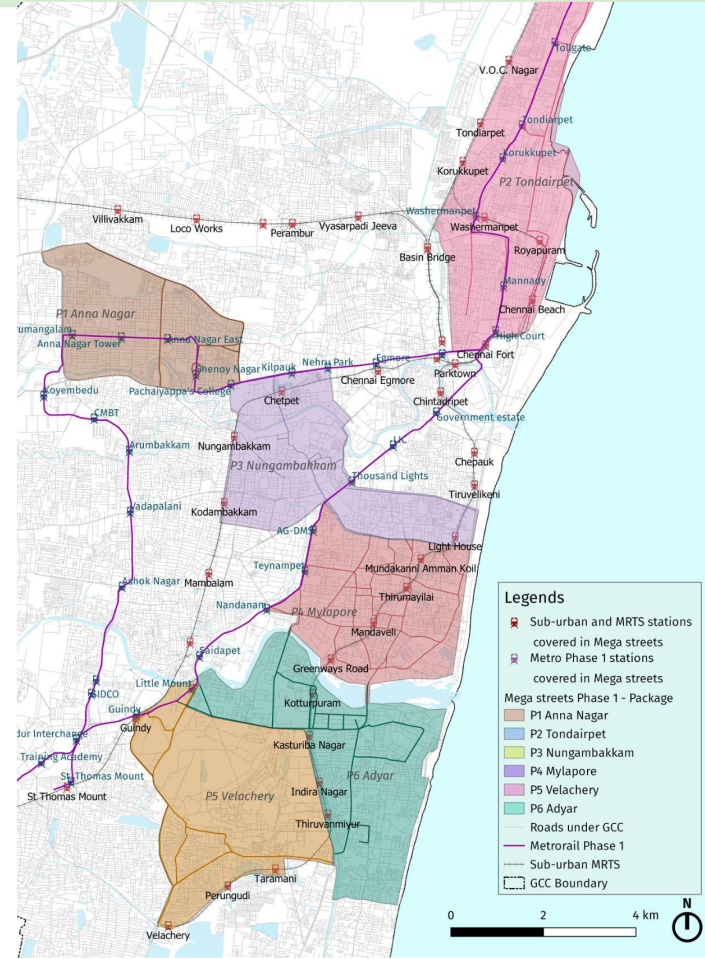
In this process, we recommend that the **TECHNICAL BENCHMARK BE SET AT 75% OR ABOVE** to ensure that technically competent bidders are given the opportunity

Bid System 1: Single Stage Two Cover

If there are multiple project sites meant to be awarded to different consultants through the same RfP:

The Least Cost Bidder(L1) shall not be awarded more than one package / street segment of their preference.

Other technically qualified bidders in the ascending order (L2, L3, L4, L5,..) will be negotiated to match their rates to L1 and the willing bidders will be awarded one package each in the same order.



And by choosing the right bid system

Let's discuss two types of bid systems to hire the right consultants:

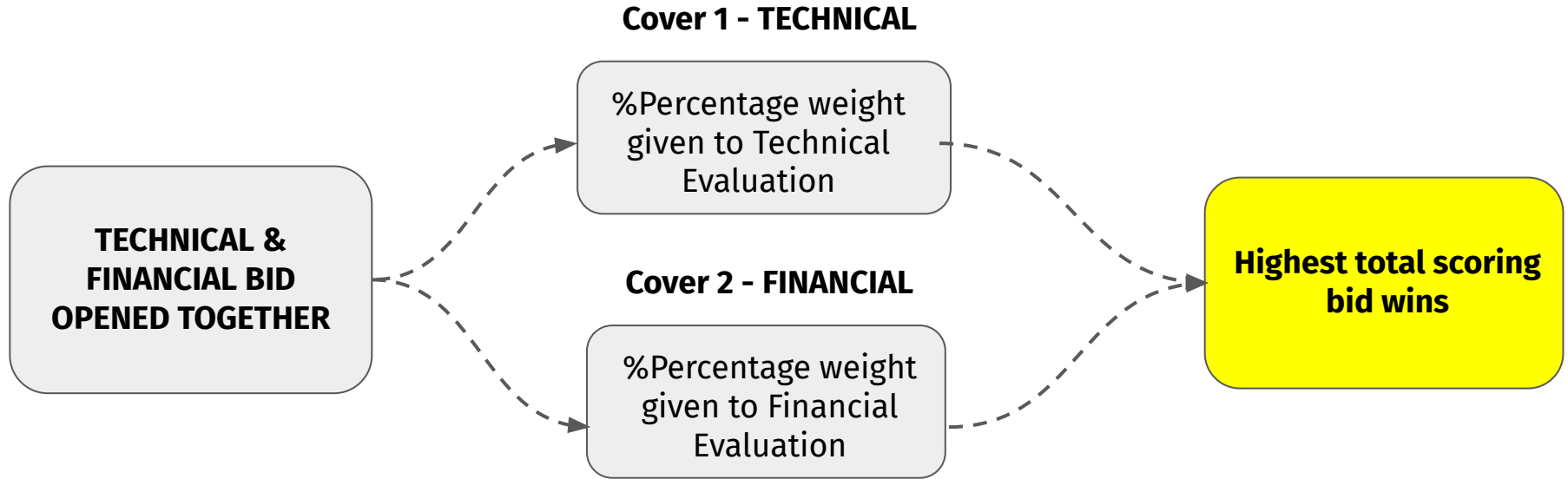


**Single stage
2 cover**



**Quality Cost
Based System**

Bid System 2: Quality Cost Based System



In this process, we recommend that **70% WEIGHTAGE TO TECHNICAL & 30% WEIGHTAGE TO FINANCIAL BIDS** to ensure that technically competent bidders are given the opportunity

What are the approaches to hiring design consultants?

Hiring Design Consultants - Approaches

**Project based
hiring through
tendering**

*Hiring for identified individual
projects*

**Empanelling
design consultants**

*Creating a pool of consultants for
all future projects*

**Invitation-based
low-value
procurement**

*For small scale projects that
require specific skill sets*

Hiring Design Consultants - Approaches

Project based hiring through tendering

Empanelling design consultants

Invitation-based low-value procurement

When?

Hiring for identified project/s where the city has budget allocated for the tender

Long term hiring for immediate and all future projects. Can initiate work on multiple locations.

Quick hiring for small, neighbourhood scale projects

How Long?

For the specific project duration & deliverables mentioned in RfP

For the empanelment **duration as mentioned in the RfP** (~3 to 5 yrs)

For the specific project duration & deliverables mentioned in RfP

No. of consultants

Multiple consultants can be hired based on scope & packaging of work

Ideal to empanel **not more than 5 consultants through the same EOI**

Usually single consultant fees are covered in low value procurements

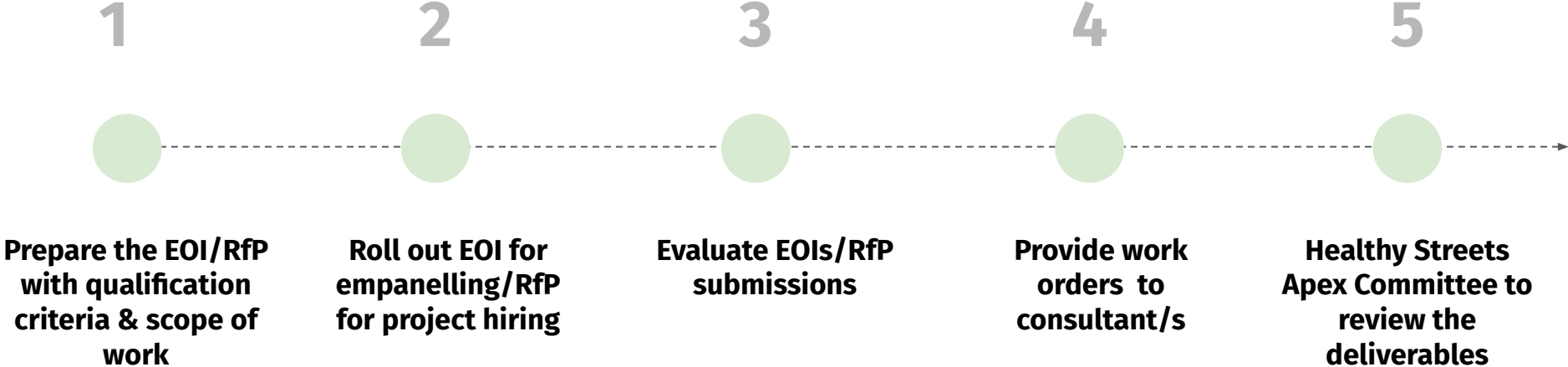
Work orders

Being hired for the project ensures the work order will be given

Being empaneled does not guarantee that firms will be assigned the street projects

Being hired for the project ensures the work order will be given

Process of hiring & monitoring design consultants works



a. Prepare detailed designs through



Source ITDP India

I. Hiring Design Consultants

II. In house design development

Preferred route!

ii. In-house design development

- **Ensure technically skilled staff is hired** and regular capacity development facilitated
- **Ensure adequate site surveys/stakeholder consultations are done** to inform the design
- **Ensure designs prepared are as per standards** - IRC Codes / Complete Streets Design guidelines.



In-house design development can design small scale neighbourhood interventions - intersection designs, tactical urbanism, local street designs as they build experience.

Both processes require to set up a Technical Review Committee

The Technical Review Committee is expected to perform the following functions:

- Supervising and reviewing design process
- Technical as well as context specific knowledge sharing through the entire design process
- Reviewing and scrutinizing pre-qualification as well as final qualification process



The Composition of Technical Review Committee can ideally be as follows:

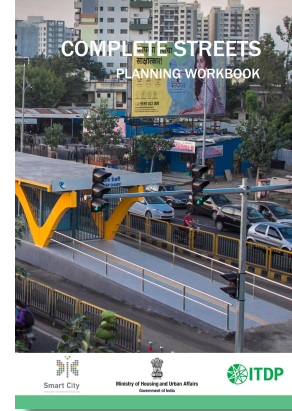
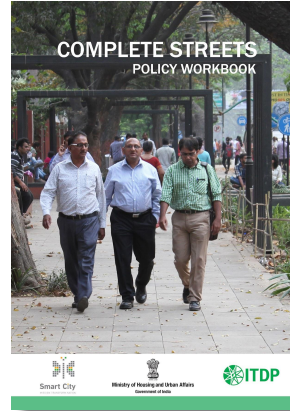
1. Commissioner, City Municipal Corporation
2. City Engineer, City Municipal Corporation
3. Technical Experts from CSOs

They can be supported in their roles by a working team.

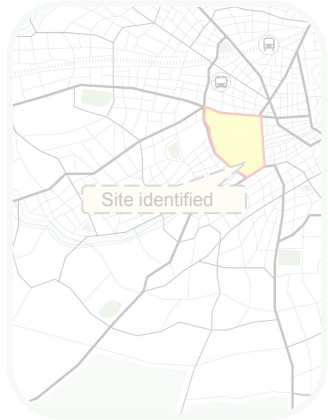
Adopting Street Design Guidelines

Embedding change through policies and standards:

- Complete Street Framework Toolkit as adopted and released by Ministry of Housing and Urban Affairs
- Cities like Pune, Bengaluru & Chennai have adopted Street Design Guidelines



A1 & A2. Implement permanent interventions - Road map



Source ITDP India

a. Finalise your sites



Source Bandra Collective

b. Prepare detailed design



Source: NACTO

c. Test the design & capture learnings



Source ITDP India

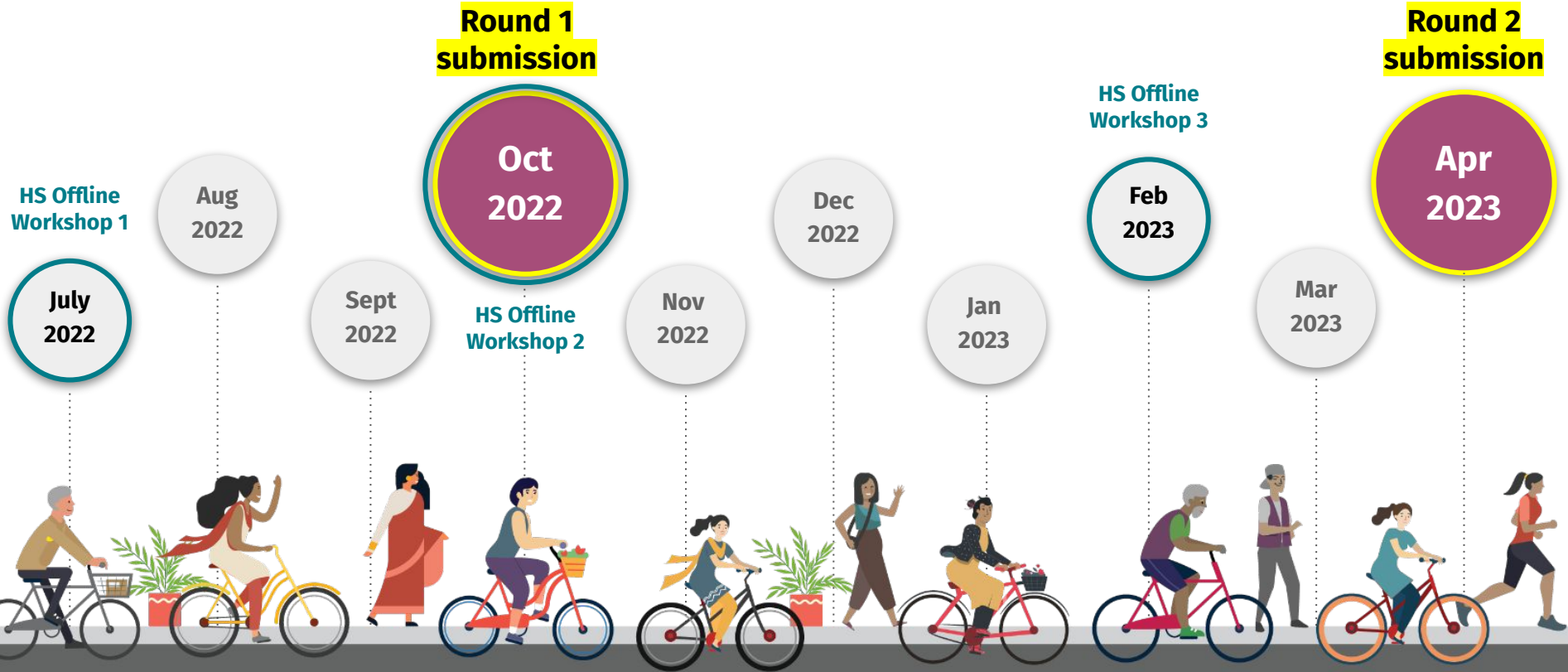
d. Make it permanent

Continue to engage with the community & build momentum for walking & cycling!

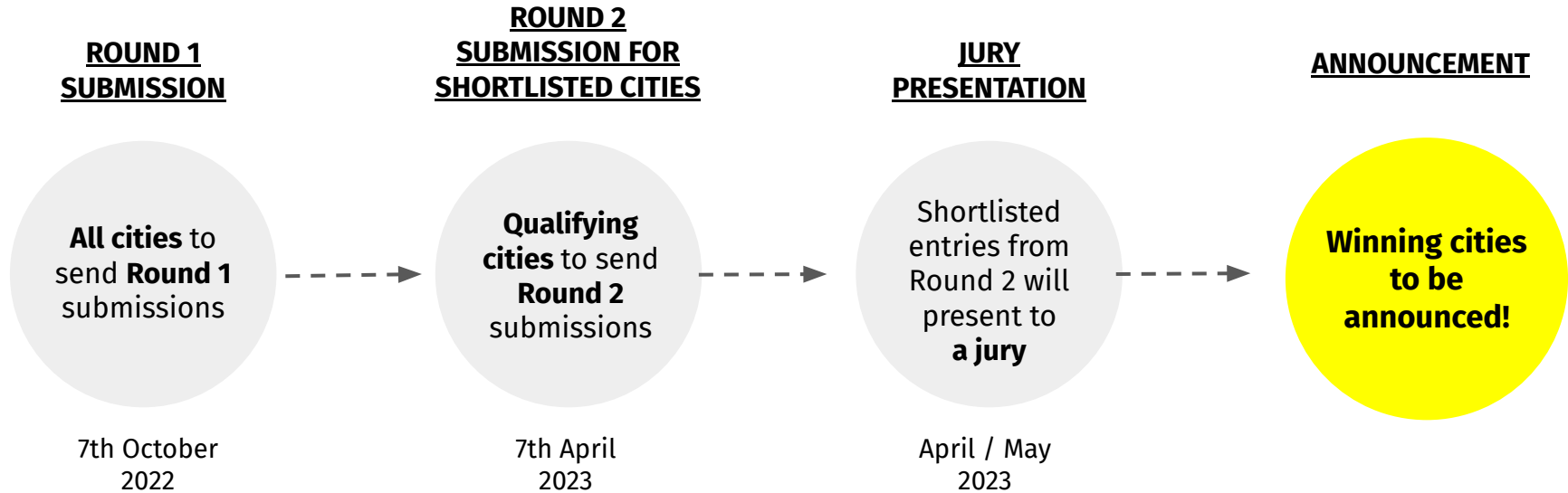


Let's take a look at the
Evaluation process

Way Forward for National Challenges



Submission process 2022 - 2023



Only the cities who qualify Round 01 evaluation shall be eligible for Round 02 evaluation

Round 1

Progress submissions

39 cities are part of Stage 02: C4C & S4P!



1. Aurangabad
2. Bengaluru
3. Chandigarh
4. Gurugram
5. Indore
6. Kakinada
7. Kochi
8. Kohima
9. Nashik
10. Silvassa
11. Jabalpur
12. Nagpur
13. New Town Kolkata
14. Pune
15. Pimpri Chinchwad
16. Udaipur
17. Bhubaneswar
18. Davanagere
19. Hyderabad
20. New Delhi
21. Rajkot
22. Sagar
23. Surat
24. Greater Warangal
25. Panaji
26. Aizawl
27. Amritsar
28. Bhopal
29. Gangtok
30. Hubballi Dharwad
31. Imphal
32. Jhansi
33. Karimnagar
34. Karnal
35. Kota
36. Raipur
37. Ujjain
38. Vadodara
39. Vijayawada



Stage 2 : Progress submission requirements: **October 2022**



Action

1. **Detailed design for at least 15 km** of Healthy Streets network with dedicated footpaths, protected cycle tracks, and safe intersections
2. Tested design through temporary trials and initiated permanent implementation for **at least 5 km of Healthy Streets** network (*only projects tendered out after June 2021 will be considered*)
3. **Implemented at least 10 km** of traffic-calmed street network with segregated footpath and cycling made safe in mixed traffic
4. Launched other initiatives: Cycle training centers, Cycle repair clinics, Public Bicycle Sharing, etc.*



Foundation

1. Set up **Healthy Streets Apex Committee** and conducted regular meetings
2. Received sanction for setting up **Healthy Streets Cell / Department** under the Urban Local Body (ULB)
3. Adopted **Healthy Streets Policy**
4. Developed walking and cycling **Network Plan** for scaling up (for neighborhoods or city-wide)



Communication

1. Appointed a multi-stakeholder team and allocated or sourced budget for **year-long Walking & Cycling Campaigns**
2. Hosted one of the following campaigns at the mentioned frequency
 - **Open Street Campaigns** - every week / every month
 - **Cycle2Work** - every week / every month

**Desirable, not mandatory for this Round of evaluation*

53 cities have registered for Season 02: C4C & S4P!


INDIA
CYCLES 4 CHANGE
CHALLENGE

**Streets 4
People**
CHALLENGE

- | | | | |
|-----------------------|---------------------|---------------------------------|-----------------------------|
| 1. Agartala | 17. Guntur | 33. Pasighat | 48. Tirunelveli |
| 2. Agra | 18. Guwahati | 34. Patna | 49. Tirupati |
| 3. Ahmedabad | 19. Gwalior | 35. Prayagraj | 50. Tumakuru |
| 4. Ajmer | 20. Itanagar | 36. Port Blair | 51. Tuticorin (Thoothukudi) |
| 5. Aligarh | 21. Jaipur | 37. Puducherry (Pondicherry) | 52. Valsad |
| 6. Amaravati | 22. Jalandhar | 38. Ranchi | 53. Varanasi |
| 7. Bareilly | 23. Jammu | 39. Rourkela | |
| 8. Belagavi (Belgaum) | 24. Kalaburagi | 40. Saharanpur | |
| 9. Bhavnagar | 25. Kalyan Dombivli | 41. Satna | |
| 10. Bilaspur | 26. Kanpur | 42. Shimla | |
| 11. Chennai | 27. Kavarratti | 43. Shivamogga | |
| 12. Coimbatore | 28. Kozhikode | 44. Solapur | |
| 13. Dahod | 29. Lucknow | 45. Srinagar | |
| 14. Dharamshala | 30. Mangaluru | 46. Thane | |
| 15. Diu | 31. Moradabad | 47. Tiruchirappalli | |
| 16. Gandhinagar | 32. Mysore | | |



Season 2 : Progress submission requirements: **October 2022**



Action

1. **Detailed design for at least 5 km** of Healthy Streets network with dedicated footpaths, protected cycle tracks, and safe intersections
2. Tested design through temporary trials and initiated permanent implementation for **at least 3 km of Healthy Streets** network (*only projects tendered out after June 2021 will be considered*)
3. **Implemented at least 5 km** of traffic-calmed street network with segregated footpath and cycling made safe in mixed traffic
4. Launched other initiatives: Cycle training centers, Cycle repair clinics, Public Bicycle Sharing, etc.*



Foundation

1. Set up **Healthy Streets Apex Committee** and conducted regular meetings
2. Shared the **Healthy Streets Policy** for Public Consultation



Communication

1. Hosted one of the following campaigns at the mentioned frequency
 - **Open Street Campaigns** - every week / every month
 - **Cycle2Work** - every week / every month

**Desirable, not mandatory for this Round of evaluation*

Use the Healthy Streets, Healthy Cities leaderboard to track your progress!



Population: All

Status in Challenges: Season 1 C4C S4P Season 2 C4C S4P Stage 2 T4A

Select a pillar: Foundation Select a milestone: Healthy Streets Policy

State City

Search:

| City Name | Status |
|------------------|-----------|
| Jabalpur | Completed |
| Pimpri Chinchwad | Completed |
| Aurangabad | Ongoing |
| Bhopal | Ongoing |
| Bhubaneswar | Ongoing |
| Chandigarh | Ongoing |
| Hubballi-Dharwad | Ongoing |
| Indore | Ongoing |
| Kakinada | Ongoing |
| Kochi | Ongoing |

Showing 1 to 10 of 97 entries

Previous 1 2 3 4 5 ... 10 Next


Map of India showing city status: Completed (Green), Ongoing (Orange), Yet to start (Red), Data Unavailable (Grey).

mapbox Mapbox © OpenStreetMap Improve this map

Fill in the monthly update forms to showcase your progress on the leaderboard!

Let's take a look at the
Submission format

All cities are requested to submit through the **Submission Form**:



Section 1 of 7

Stage 2 Progress Submission Form - Round 1

Please use the following sections to submit the deliverables for Stage 1 of the India Cycles4Change Challenge. Kindly fill the form only once from the city's official email address. In case of any clarifications, please email contact@cycles4change.org

Email *

Valid email

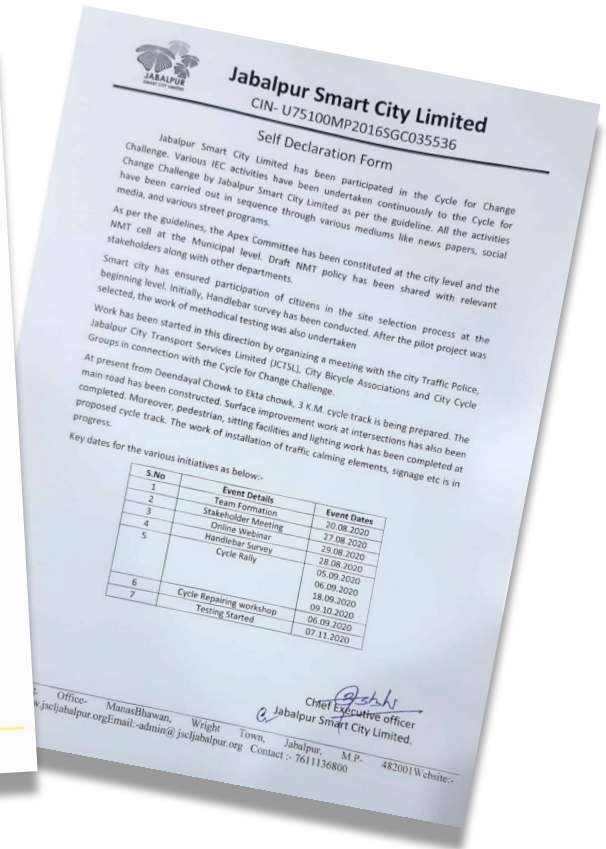
This form is collecting emails. [Change settings](#)

**We will share
the form soon!**

Ensure to upload your 'Cover Letter'

The cover letter is a mandatory submission letter that must be signed by the City Commissioner or smart city CEO:

- It must cover all the works done by the city as mentioned in the submission form
- It must attest that all the work mentioned in the submission form is accurate to the best of the knowledge of the city
- The letter must be on the official city letterhead



The background is a solid pink color. It is decorated with numerous small, colorful confetti pieces in shades of yellow, orange, teal, and purple. There are also several long, thin streamers in yellow, pink, and purple scattered across the scene.

**We look forward to receiving
your submissions due**

October 7th!

Good luck to all cities!

Until the next workshop...

What will cities do?

Action:

- Develop detailed designs for 15 km of Healthy Streets by hiring urban designers

Foundation:

- Set up Healthy Streets Apex Committee
- Contextualize the Healthy Streets Policy
- Develop the Healthy Streets Network Plan
- Set up the Healthy Streets Design Cell

Communication:

- Rollout Open Streets Campaign

What will ITDP share?

Video & presentation from Workshop 03

Action:

- RfP template to hire consultants

All other guides for the points listed have already been shared!

Thank you!



<http://bit.ly/c4conline>



<https://bit.ly/s4ponline>

