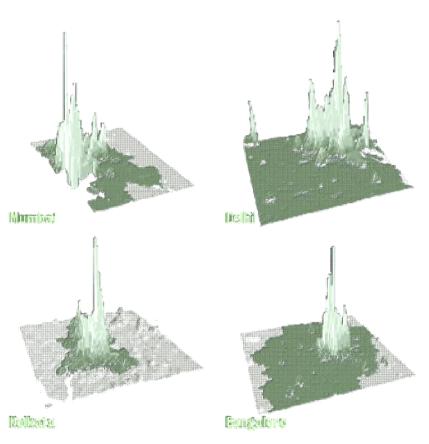




1.3%: percentage by which the population of India increases

## 1700 people per train <sup>2</sup>

■Increase of 1% in Urban population increases Energy consumption by 2.2% <sup>3</sup>



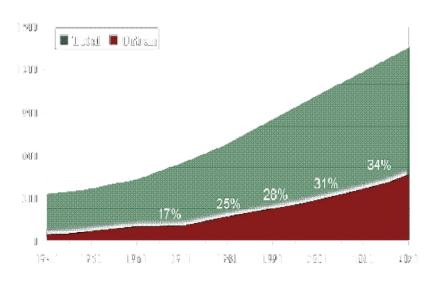


This will go up to 50% by the 2030 equivilant to 250 million people (UNPD)<sup>4</sup>

10.8 million

in 1985 to to 19 million in 2007 6

3.4 million in 1985 to 6.8 million today.<sup>7</sup>





India is and will be one of the worst affected regions from a global rise in temperatures.8

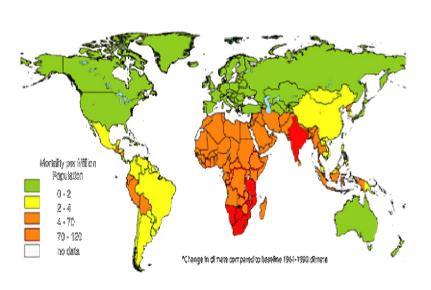
floods

on an unprecedented scale.9

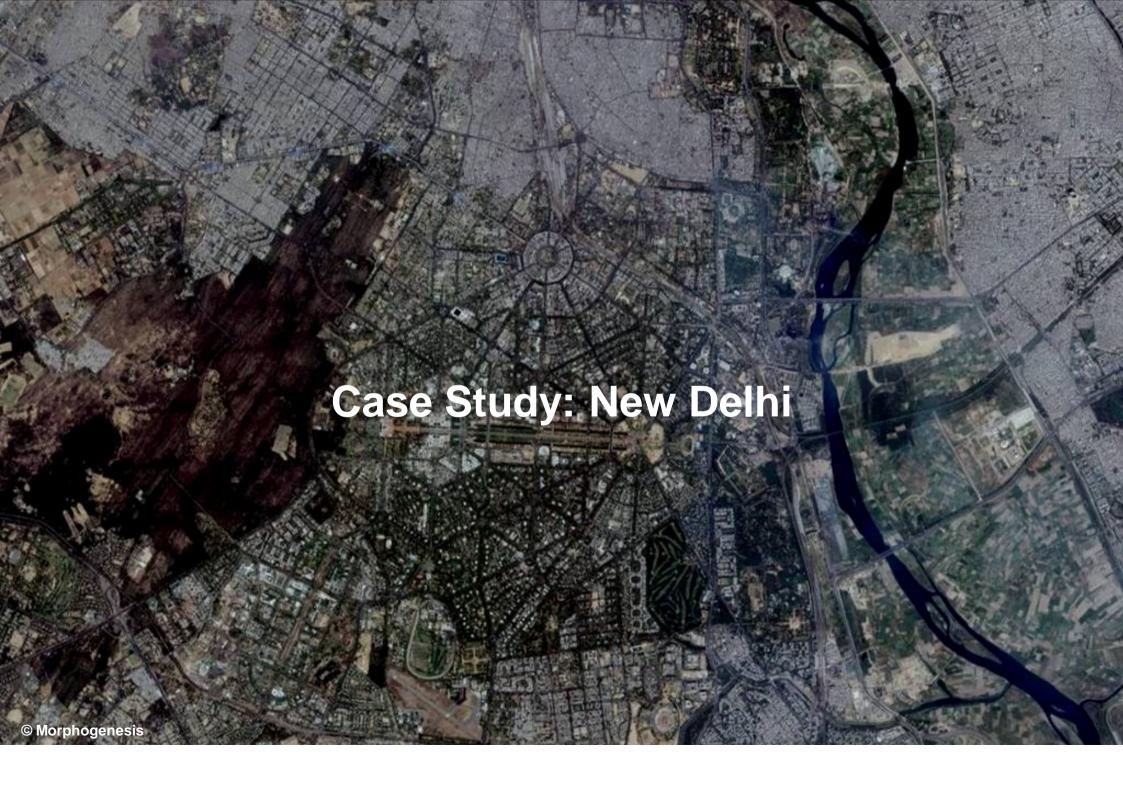
7

million people would be displaced

loss in agriculture and portable water.11

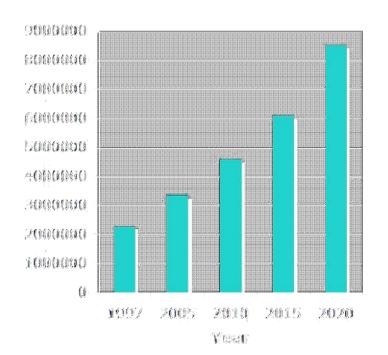






1,100 new vehicles are added to the roads each day

average velocity of cars is less than 30km/hr  $^{13}$  (Car Density is 10 times the national average)  $^{14}$ 

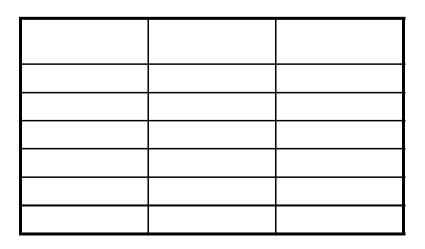




Delhi was ranked 2<sup>nd</sup> most polluted city

share of vehicular pollution has increased from 64% to 72%

 $$\operatorname{\textsc{noise}}$$  levels exceed limits almost everywhere in the city.  $^{17}$ 





 $$\operatorname{over}$$  415 traffic intersections in the Capital do not have zebra crossings  $^{18}$ 

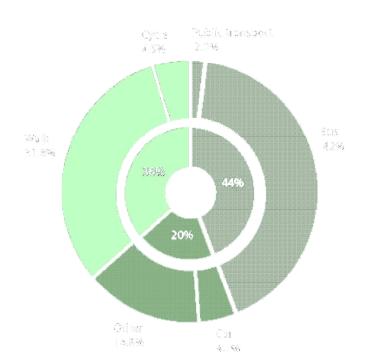
980

pedestrians were killed by traffic. 19

60%

reduction in bicycles<sup>6</sup>

The last Mile problem still remains unresolved.





## 17 sewage drains empty into the Yamuna

73

per cent of Delhi's STPs are functioning below design capacity. <sup>22</sup>

Almost 50 per cent of Delhi generates 'illegal' sewage

 $$\operatorname{none}$$  are being used for recharging water.  $^{24}$ 





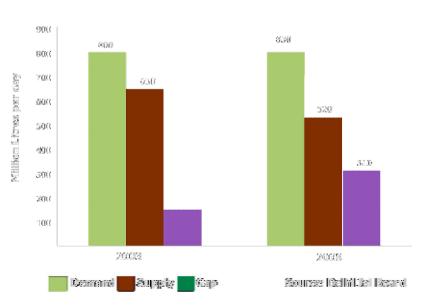
© Morphogenesis

 $$\operatorname{groundwater}$$  table is depleted up to 20 –30 m.  $^{25}$ 

shortage of 1290 million liters

Delhi's loses about 45% of its total water production

916 lakes, ponds, and reservoirs depleted. <sup>29</sup>





these have been

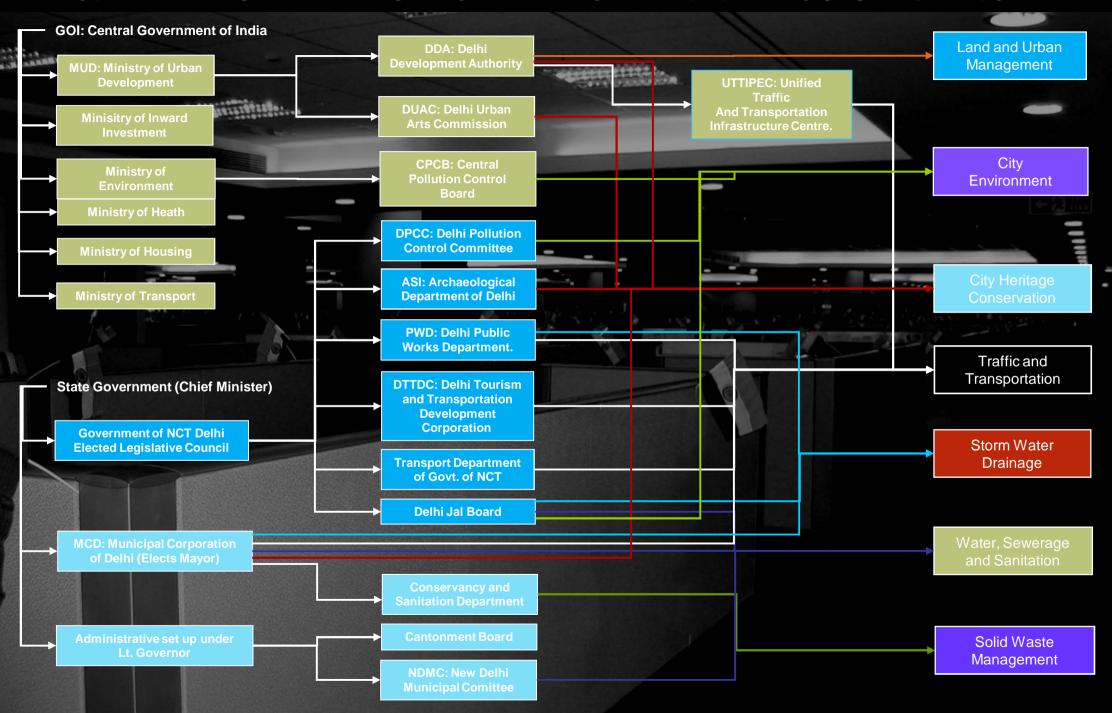
reduced to 231 in 2000. 30

12 buildings on the natural heritage list have disappeared

The Delhi Development Authority is ranked as the most corrupt institution in India



## CITY MANAGEMENT AGENCY NETWORK: LIMITED CO-ORDINATION



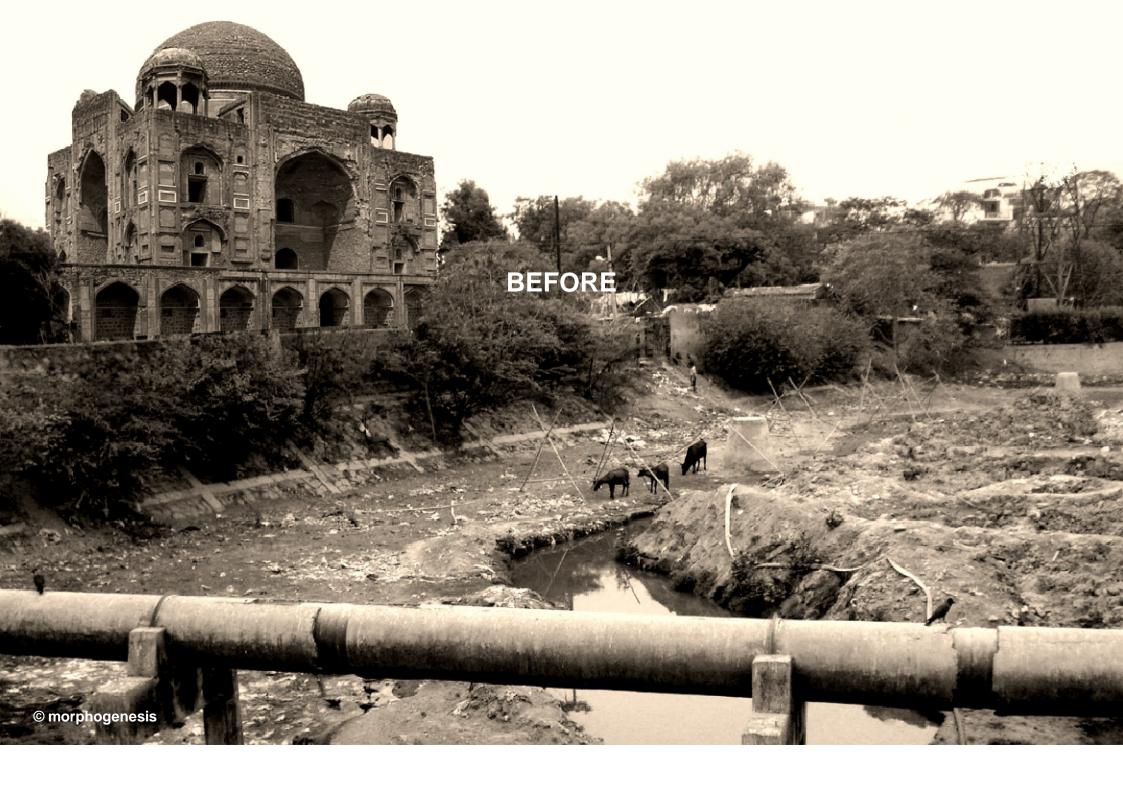


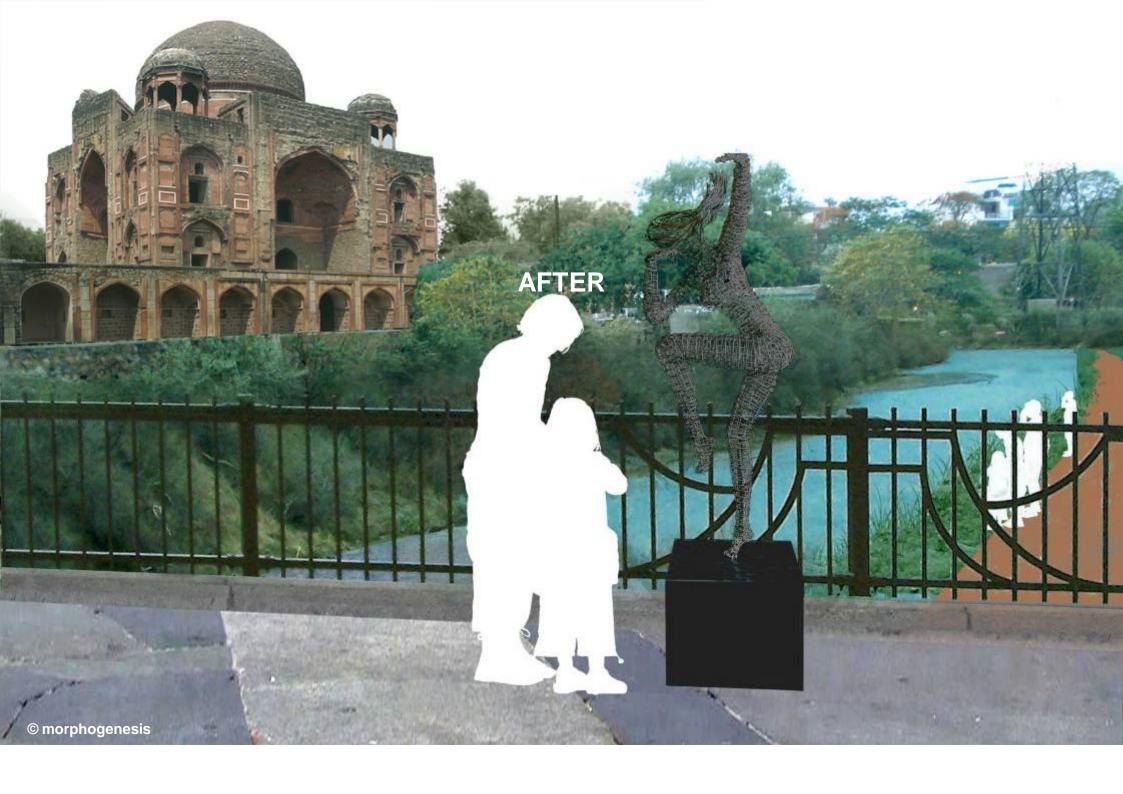












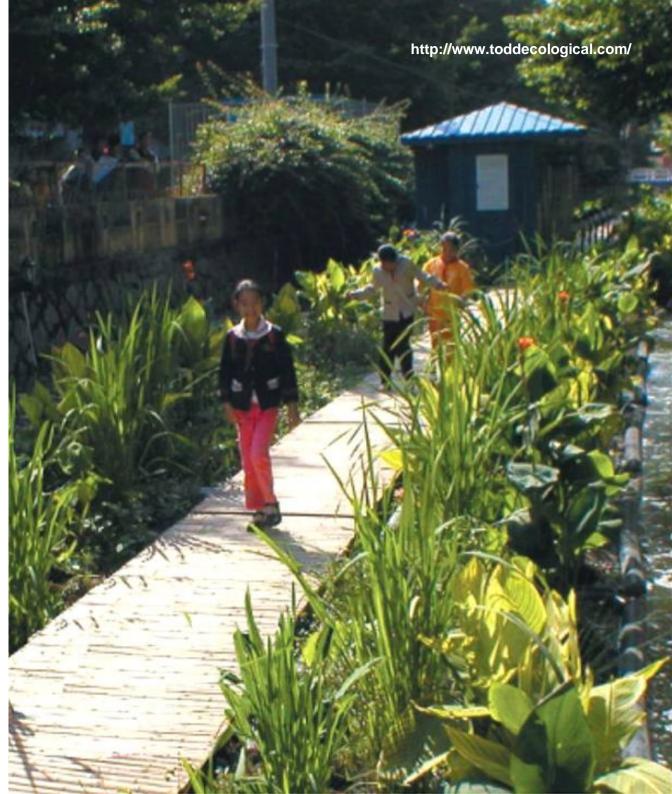




influx of 750,000 gallons per day of untreated domestic sewage.<sup>33</sup>

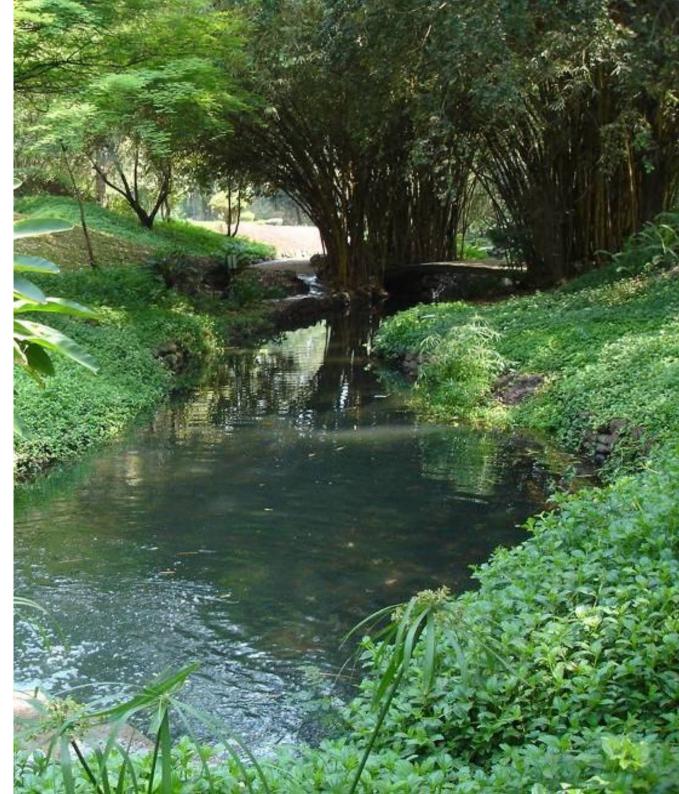
12,000 plants composed of 20 native species.34





The park is 1,852 metres long and cover a basement area of 1,12,600 square metres

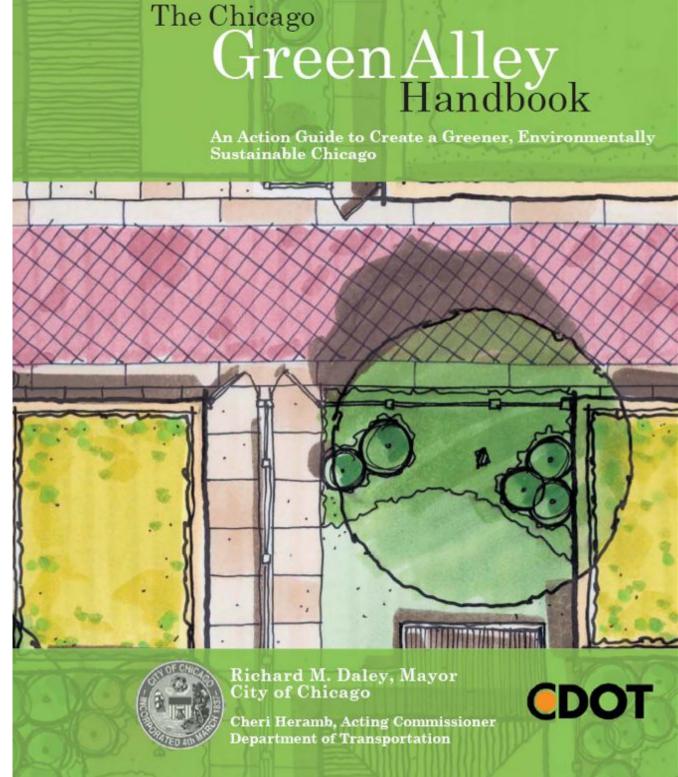




1,900 miles of public alleys,

3,500 acres of paved impermeable surface





10 million visitors the first 3 months and 166,000 cars





# Delhi's nullahs: Way to go for India

## COMMON CAUSE

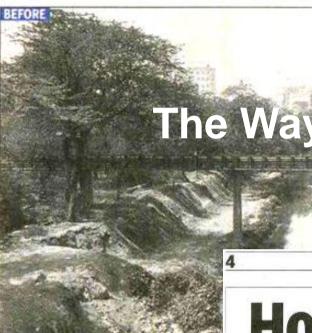
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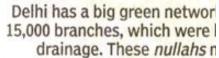


Delhi needs change. As inhabitants, we demand it. We need to claim our city back and be stakeholders. We live in one of the largest metropolises

in the world today but probably have the most limited sphere of engagement with our city compared to anywhere else. Decades of mindless growth have made Delhi a primarily vehicular city. Attempts to provide for pedestrians or cyclists are usually aimed at forcing them to move on the margins of the smoke-spewing traffic, usually on broken or nonexistent pavements. Delhi has nearly six million cars today - more than the other three metros put together. Yet, the national capital continues to add more than 1,000 cars to its roads every day. In 1985, cyclists were 60% of the traffic flow; today they are just 4%. Nearly 2,000 pedestrians die every year on the roads of Delhi. Most of them are children.

This is why it is time we claimed the forgotten and derelict lands of Delhi to create green lungs that would create an alternative ecologically sustainable Delhi. Typically, these lands are nullahs, miles of garbage-covered embankments, back alleys, setbacks and buffer zones. Paradoxically, Delhi has a big green network of forests and parks and 18 main nullahs with





These nullahs now lie useless, filled with sewage from illegal colonies. Similarly, Delhi's embankments have become dumping grounds and breeding sites for disease.

The government's solution is to cover the nullah with concrete slabs. chop down the magnificent trees around embankments and install Rs 1,500-crore worth of massive sewage treatment plants on the Yamuna riv-



social, cultural, natural and historical heritage of the city. This includes thousands of monuments that now sit pathetically vandalized, neglected and like islands in parts of the city.

 Immediately stop slabbing over nullahs. Today, the Commonwealth Games are being used as an excuse to create more parking by slabbing over these nullahs or to simply hide the mess, literally Instead, we should be restoring and cleaning the nullahs to turn them into a key tourist attraction - a safe pedestrian network across Delhi, linking key socio-cultural sites and revealing a side

TIMES CITY

# How drains can yield twin

A group of NGOs says that by treating waste locally. the city can make its drains clean as well as cut down pollution in Yamuna by 80%

Rumu Banerice I TAN

could turn out to be the perfect solution for the Yamuna's increasing pollution whilst providing the capital with a spatainable



tone. Says Anupam Yog of Urbon Habitat Forum, an arm of the India Habitat Centre. "There have been several at tempts to clean the Yamuna. But this time we have tried to lock at a holistic solution. rather than just aiming for an easthetic or beautification

project."

Yog admits that a lot needs to be done before the project cam set off the ground. "A physical napping of the drains, followed by a feasibility report is needid before we can have a detailed project report," adds Yog, That's why the group is hoping that both the government and ortvote enterprises can get topather to bounch the project. Adds Rastogi, "We have started amblic netition as a public outreach programme. Once this is underway, there should be positive response to the project."

The advantages are many. As per the proposal, the cleaning of the mullahe is only a part of the plan. Thereafter, native

# Shower water of

New Delhi: The lifes was to co. eyesores that are Delhi's drain the recent rain almost washed such ambitions. The ongoing w covering Kushak and Sunhert n led to flooding in Lodhi Colony pura etc. Similarly the Defence ( nullah - which is also being o overflowed.

MCD is constructing cilities for 700 bases for the monwealth Games by con Kushak and Sunhert nullahs at of Rs 3.25 erore. This stretch used as a road after that.

There are around 15 storm drains in the city and MCD spe 50 crore cleaning them. Accord urban planners, these drains we Her water channels leading fro

# An interactive website has been set up where citizens can:

In addition we have also setup groups on facebook and linkedin where people have been commenting on various issues.



About the Initiative Alliance Map Contact us



### Take Action

1. Leave Your Opinion

Enter keywords to search

- 2. Sign our Petition
- 3. Contribute Information
- ShareThis

### Members Login:

Username

......

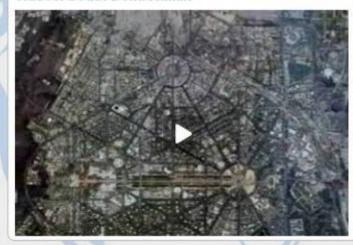
Login

#### ion: Overview

this project is to reuse the neglected water /stem of Delhi to progressively bring about change in the city.

g up the sewage laden nullahs and waste piled aw urban network emerges without the need for immental intervention.

illahs will be transformed and optimized to enhance cultural, environmental and transport networks of Videos: South Delhi Nullah



### to see the map.

2WS



International Herald Tribune Features South Korean Nullah Project 16-07-2009 The July 16th edition of the International Herald Tribune (in Europe) featured a large picture of the Cheonggyecheon str...

Delhi's nullahs: Way to go for India 01-06-2009 New Delhi, May 31, 2009: The Times of India, By Manit Rastogi Delhi Needs Change. As inhabitants, we demand it....

Parking Space For 700 Buses On Nullahs near Jawaharlal Nehru Stadium 29-05-2009 New Delhi, 18, 2008: Delhi Scoop, By Ugesh Sarkar With a view to strengthen infrastructure for the Commonw...

- Behtar Dilli
- Bridge to India
- Delhi Urban Arts Commission
- I am Gurgaon
- Ministry of New and Renewable Energy
- RSA
- Sahbaghi Foundation
- The American Center
- The Sustainable Planet Institute
- Times Foundation
- Urban Habitat Forum

   (an advocacy platform for more

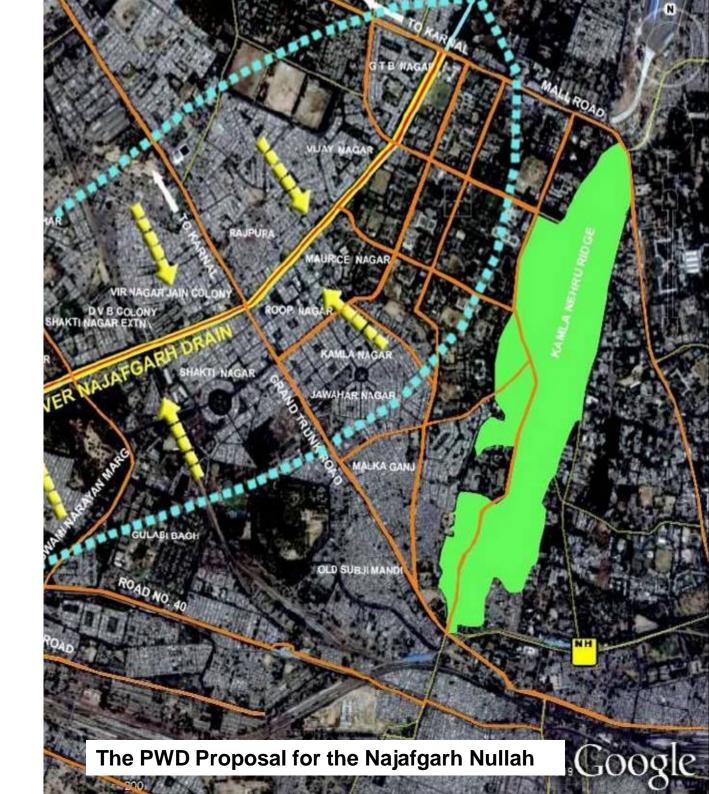
  liveable cities in India)



page 57, point 9.1.1 (c):

page 105, point 14.2 (c):

The covering of Nallahs in all ongoing projects therefore must be immediately stopped.

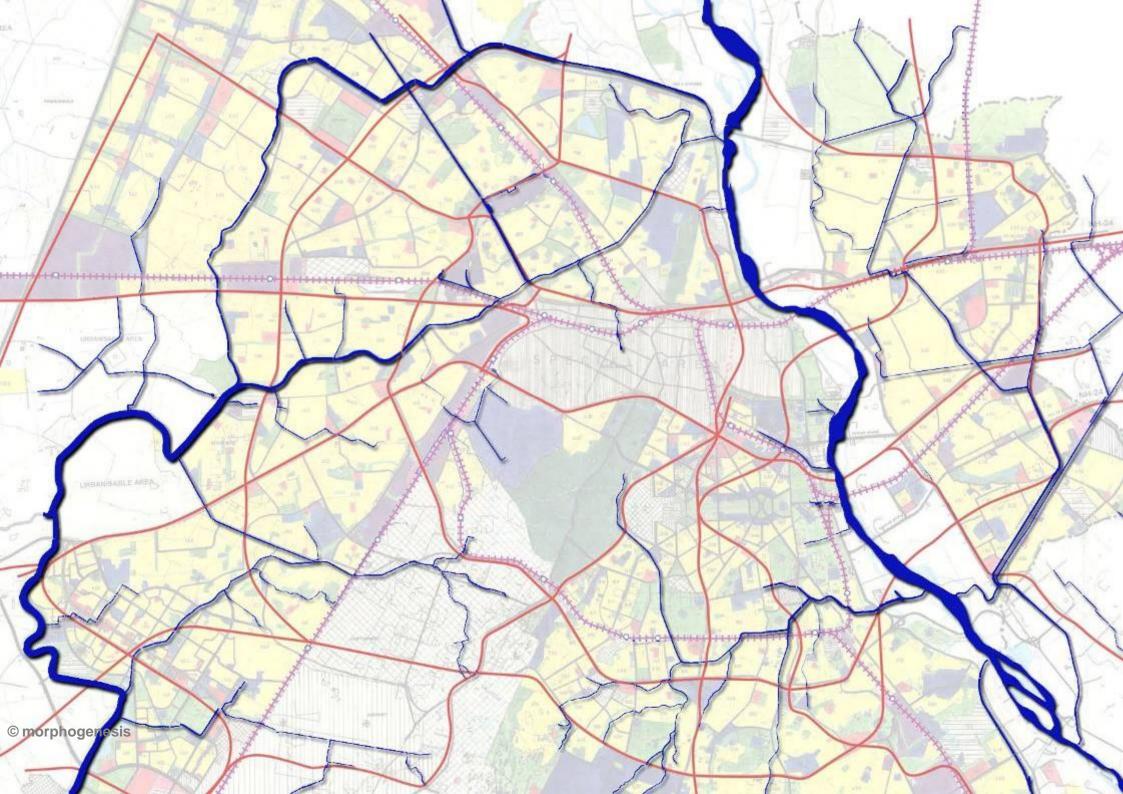


## Concluding Remarks

- 24. In conclusion, Hon'ble LG stressed the need of addressing the issue of ecological sustainability in the National Capital Territory of Delhi in a holistic manner with particular reference to carbon sequestration by increasing the green cover and sinks, converting nallahs into streams and recharging the groundwater. He thanked all participants for their valuable inputs and requested the concerned HODs from the Government to expeditiously examine the suggestions made by Resource Persons for appropriate action. He said that the next meeting would be held after six months.
- 25. The meeting ended with a vote of thanks to the Chair.

- My 9/9/9





**Vision:** 

Agenda:

**Projects:** 

