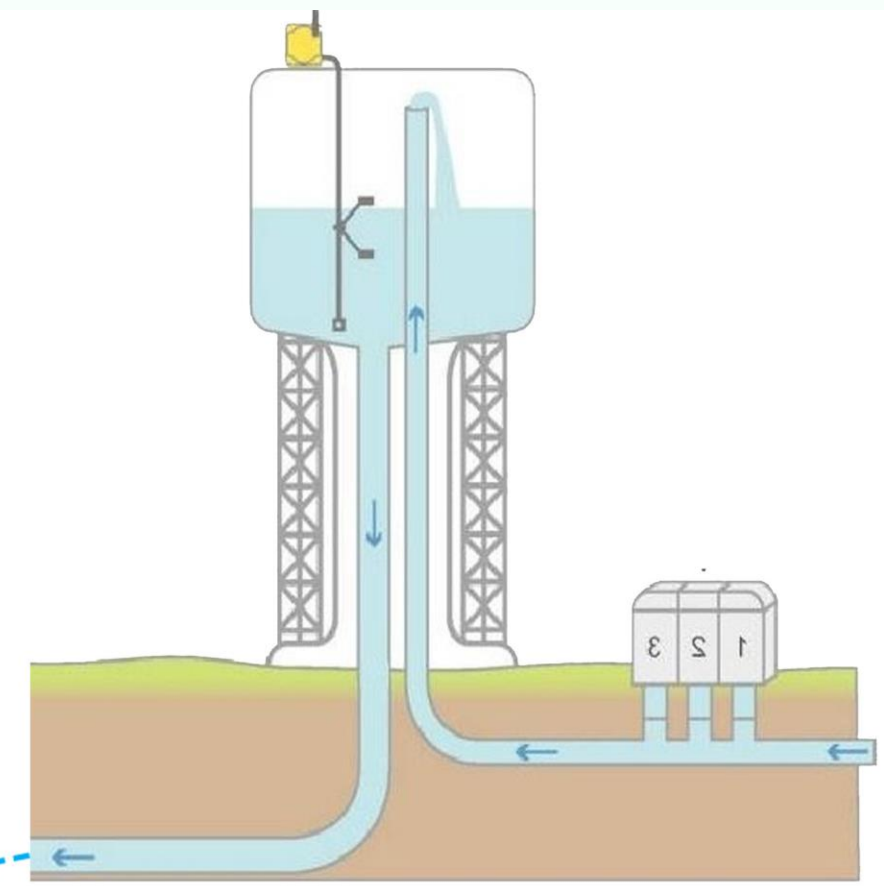
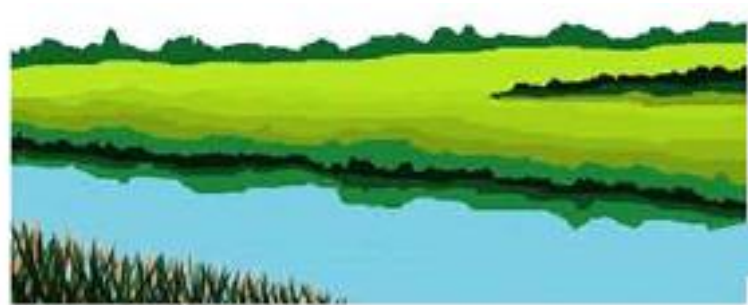


Water Supply: Source to Taps

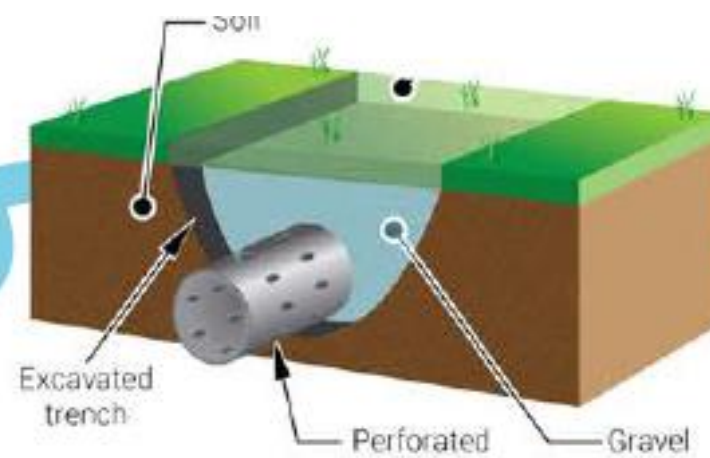


1. The main source of water is the Narmada Canal.
2. From there water goes to 5 Frenchwells .
3. From the French wells, water goes to WTP. AMC currently operate 3 major Water Treatment Plants namely Kotarpur, Raska, Jaspur. The water treatment plant supplying water to my area is Kotarpur. It has 830 MLD Capacity .
4. After treatment water goes to the pumping station.
5. Second source of water is the bore well, which supplies water to the units throughout the day.
6. The capacity of the underground water tank is 1 lakh litres. It receives water from Narmada 6hours a day.
7. From the UGT, water goes to the overhead tank by hydraulic pressure system
8. From the overhead tank . the water goes to the residencies . There are two wings ,both contain 44 houses each. Average water consumed per wing is 13,500 litres per day (drinking, cleaning, bathing, all purposes)

The Entire Process of Water Supply- From Water Reservoir to Individual Houses



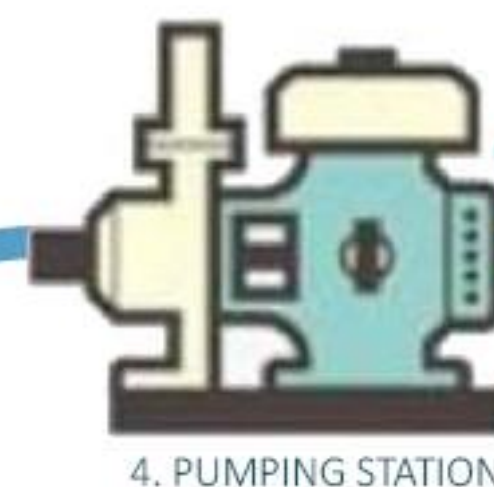
1. NARMADA CANAL



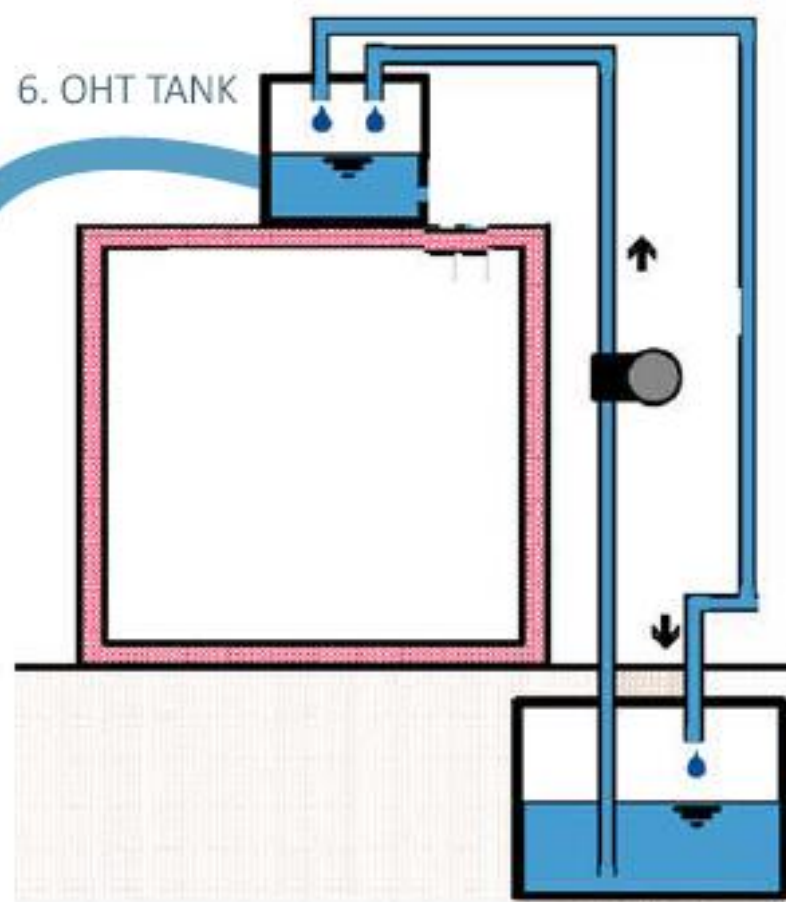
2. FRENCH WELL



3. WATER TREATMENT PLANT

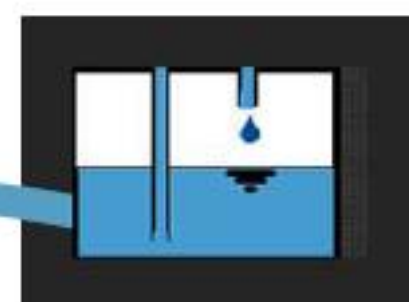


4. PUMPING STATION



6. OHT TANK

5. UG TANK



BOREWELL



7. INDIVIDUAL RESIDENCIES

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Bachelors of Architecture

Student(s): Drashti Bhavsar, Mahek Ruparelia, Faiz Agharia

Faculty: Dr Swati Kothary

Introduction to Infrastructure Planning (New Course)

URGENT Cross-Cutting Theme:

Integrative Smart Green & Blue Urban Planning, including science, policy and management for adaptation, mitigation and urban NBS

Credits:

3 ECTS

Type of Course:

Elective

Semester:

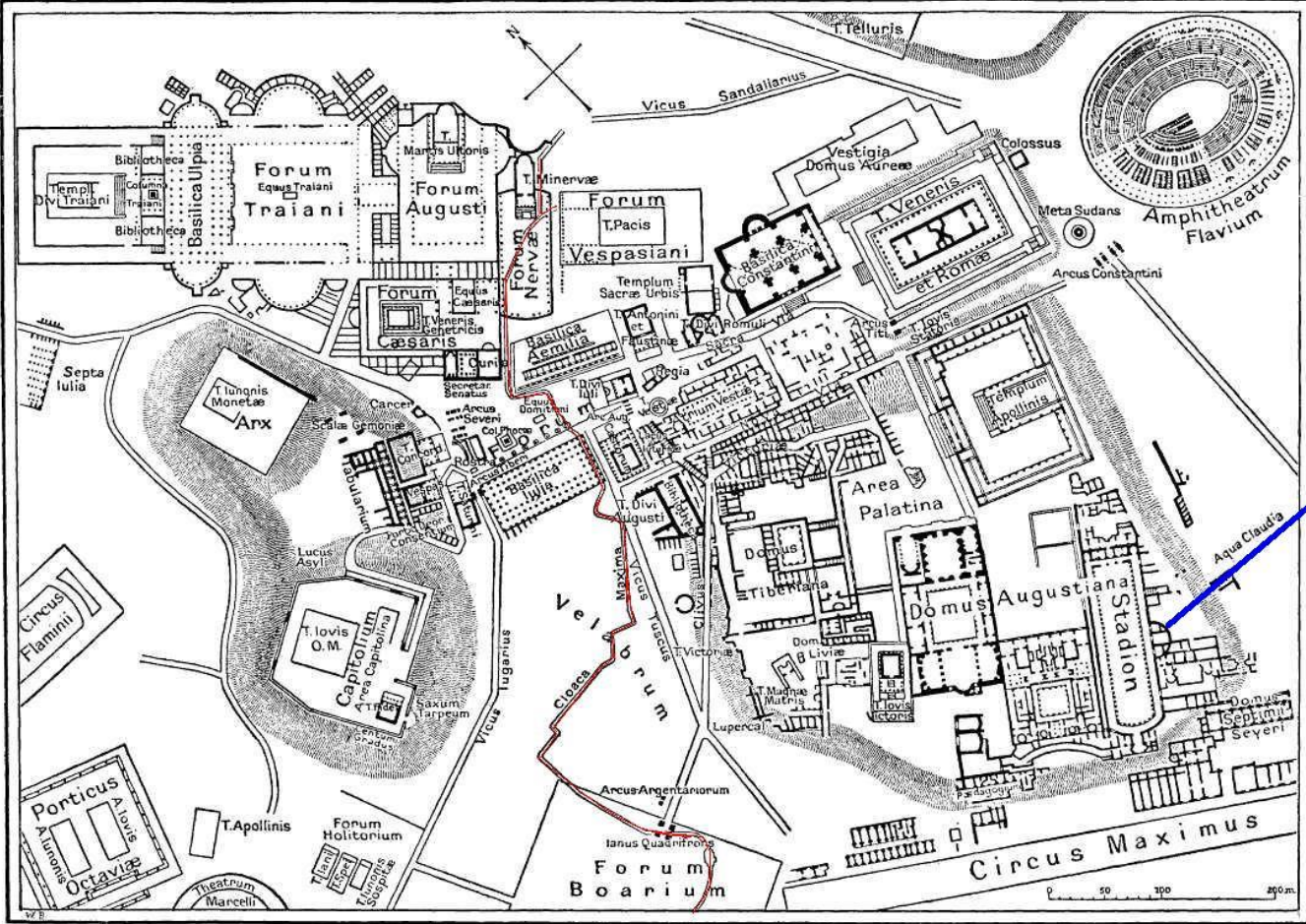
VIII Sem

Year:

2018

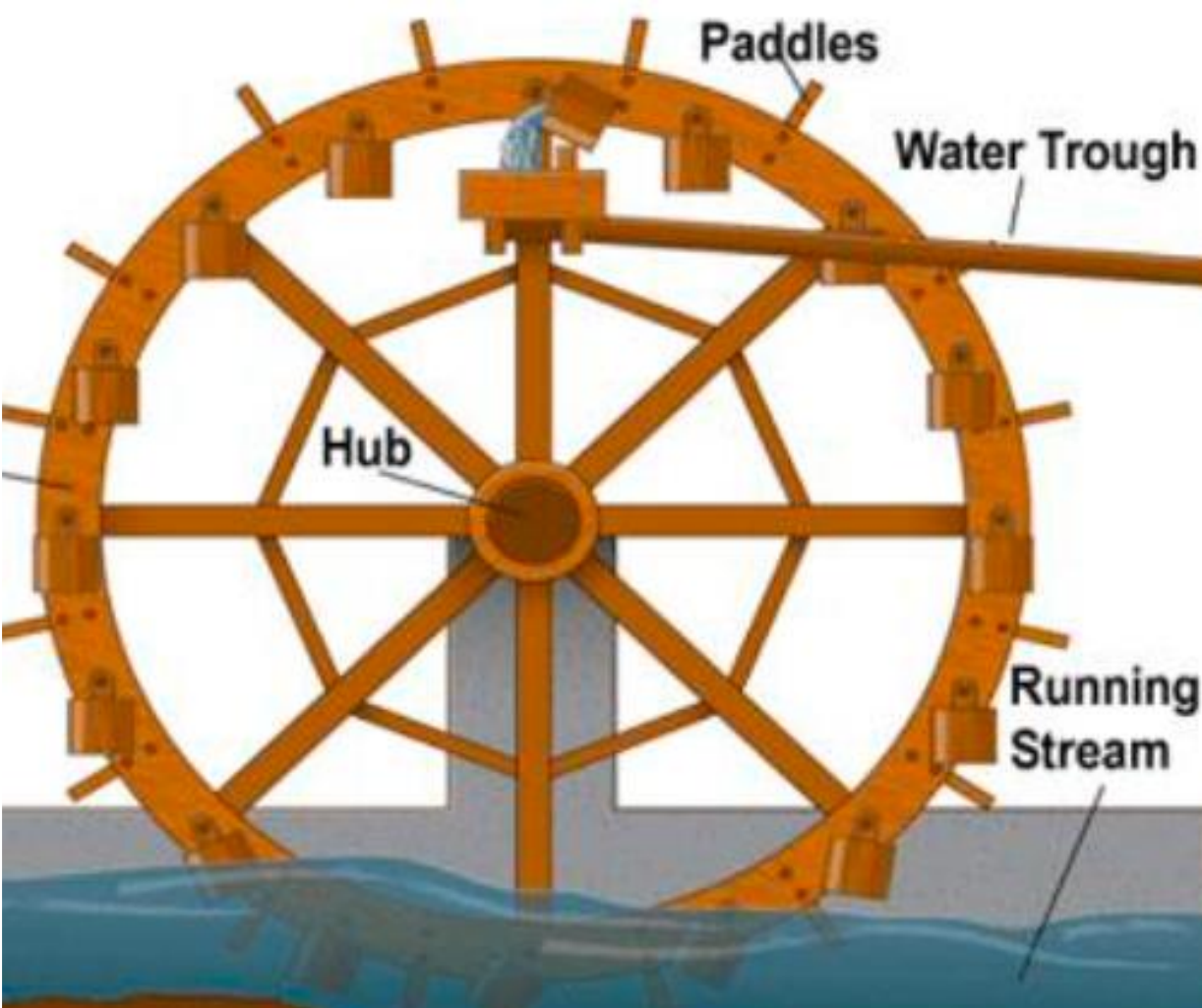


Cloaca Maxima- Rome



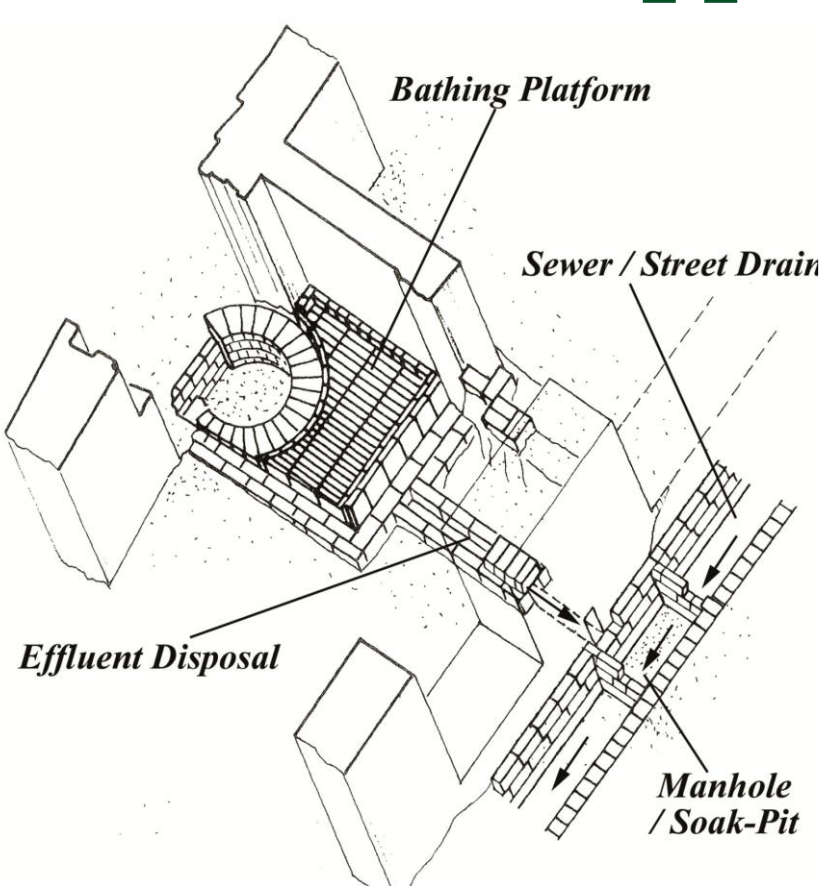
At the beginning of the sewer's life it consisted of open-air channels lined up with bricks centered around a main pipe. At this stage it might have had no roof. However, wooden holes spread throughout the sewer indicate that wooden bridges may have been built over it, which possibly functioned as a roof.

Water Wheels- Ancient Egypt



The water wheels worked the shadoofs. A shadoof was simply a counterweight system, a long pole with a bucket on one end and a weight on the other. Buckets were dropped into the Nile, filled with water, and raised with water wheels.

Drains- Harappa



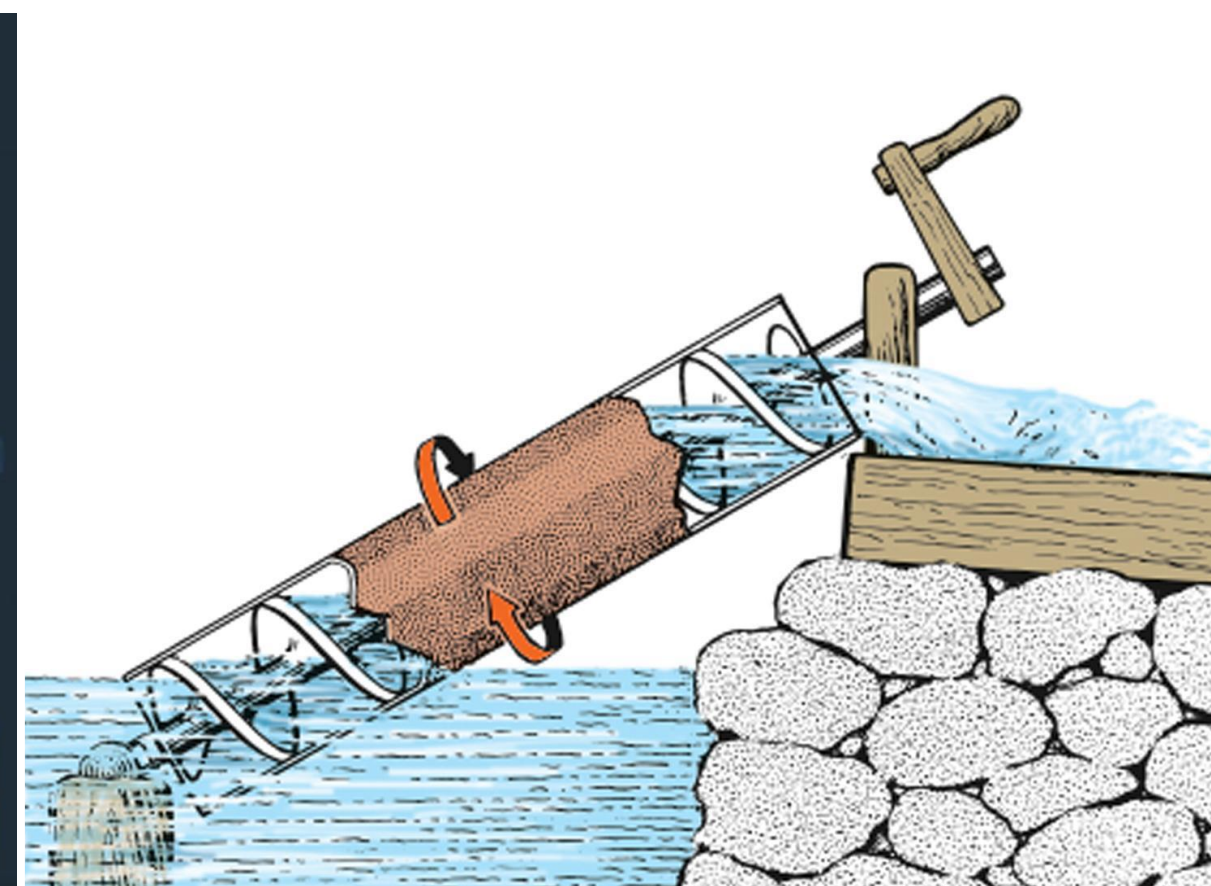
The brickwork prevented the dirty water from leaking. Wooden screens stopped the solid wastes from being washed away with the water.

Khadin/ Dhora



An ingenious construction designed to harvest surface runoff water for agriculture. Its main feature is a very long (100-300 m) earthen embankment built across the lower hill slopes lying below gravelly uplands.

Archimedes Screw



The Archimedes screw is one of the earliest hydraulic machines. A positive-displacement pump traps fluid from a source and then forces the fluid to move to a discharge location.

Departments for Urban Development



Ministry of Housing and Urban Affairs
Government of India



Ministry of Urban Development
Government of India



Ministry of Housing and Urban Affairs
Ministry of Human Resource Development
Government of India



GOVERNMENT OF INDIA
MINISTRY OF POWER



NITI Aayog



Departments for Transportation



GOVERNMENT OF ASSAM

TRANSPORT

ASSAM STATE TRANSPORT CORPORATION



GOVERNMENT OF ASSAM

TRANSPORT

COMMISSIONERATE OF TRANSPORT



GOVERNMENT OF ASSAM

TRANSPORT

INLAND WATER TRANSPORT

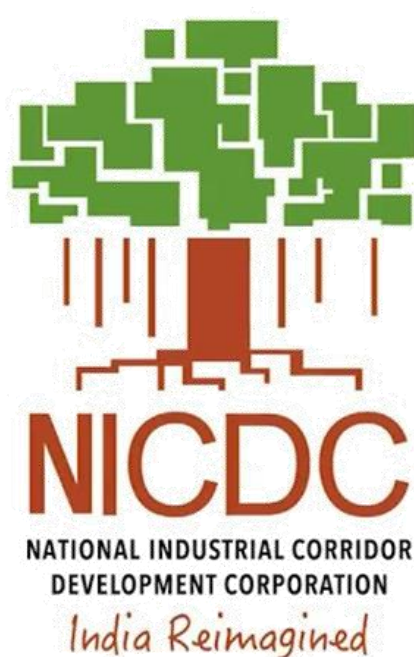


Urban Development Authorities



Infrastructure is a major sector that propels overall development of the Indian economy. The Secretariat for Infrastructure in the Planning Commission is involved in initiating policies that would ensure time-bound creation of world class infrastructure in the country. This section focuses on power, bridges, dams, roads and urban infrastructure development. Details of the projects, organizations, policies, timelines, schemes, spending on infrastructure are provided for the users.

National Schemes



National Institute of Urban Affairs

pppinindia.gov.in

Public Private Partnerships In India



Smart City

MISSION TRANSFORM-NATION



एक कदम स्वच्छता की ओर