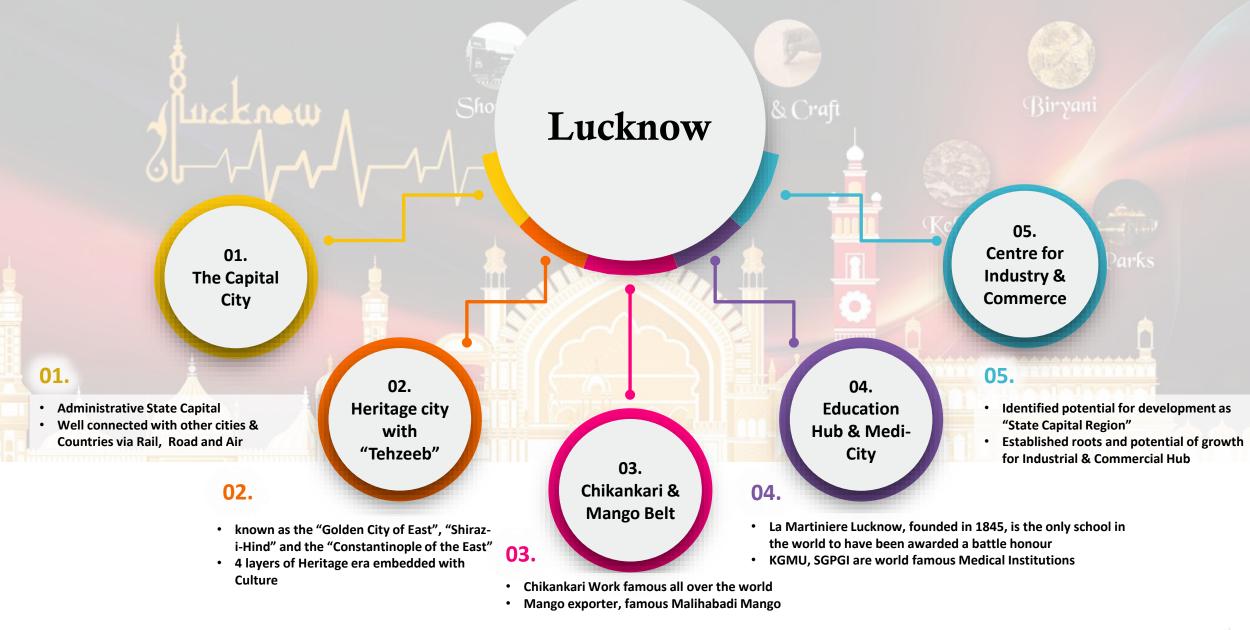
NATIONAL URBAN PLANNING & MANAGEMENT CONCLAVE LUCKNOW-2022









RECENT DEVELOPMENTS IN LUCKNOW

New Malls



These include the Crown Mall opposite BBD University, the very new Phoenix Pallasio mall near Shaaheed Path and the under construction Lulu Mall- the biggest mall chains in the world.

International Cricket Stadium



Formerly Ekana, the Atal Bihari Vajpayee Ekana Cricket Stadium was among the biggest developments to happen in Lucknow-a world class cricket and other sports complex with ultra-modern facilities.

Riverfront Developments



Remodelling &development of Gomti Riverfront included cleaning up of Gomti (often referred to as the biggest 'drain' in Lucknow). It ensured a cleaner river and more developed shore.

Development





Startup Ecosystem

The UP government's lucrative startup policy is generating better job opportunities & enabling people to grow small businesses from the ground up. Knocksense, Trendsetterz, Purplehide and Ziffy are among the famous startups from Lucknow.



Lucknow Smart City

Within a few years Lucknow has completed several major projects which include the laying of LPG pipelines, introduction of a smart Integrated Traffic Management System and introduction of several smart bus shelters.



Development of IT City

After 2017, an IT City was developed in lucknow with major investment from HCL & has made Lucknow an emerging hub of IT. This has created a number of job opportunities for the people of



EXPANSION IN CONNECTIVITY TO AND FROM LUCKNOW

Key transformational connectivity projects



Lucknow Metro

The priority corridor was the fastest developed metro route in the country; current ridership of over 65000 people



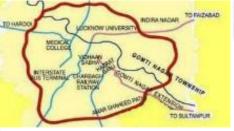
New Airport Terminal

A new terminal with a capacity of handling 27 million passengers (still under development) is expected to be operational by 2021



Lucknow- Delhi Tejas Express

A major undertaking that brought huge relief to passengers travelling between the two cities. This new and ultra-modern train facility has received great response from people in both of these cities.



Kisan Path and Outer Ring Road Project

Part of the 108 km 'outer ring road project', this is a 15 km stretch connecting Sultanpur to Faizabad Road in Lucknow. It is expected to decongest the roads of Lucknow which are already brimming with traffic.



Expressways

The e-way was inaugurated in 2016 to lighten the traffic on congested roads of the city and shorten the distance between Lucknow and Agra. This connects to Yamuna e-way from Lucknow to Delhi and Noida.



Gomti Nagar Rly Station Redevelopment

GNRT is being reconstructed by RLDA in partnership with NBCC on PPP mode in Gomti Nagar with an aim to provide Lucknow with state of the art railway station. The new station aims boost real estate & local economy.

Flights to cities within UP

The project aims to introduce several new domestic flights from the Lucknow airport (under development) to establish air links between Lucknow and other major cities in UP - Varanasi, Ghaziabad, Bareilly, Hindon & Prayagraj





COURSE OF ACTION

through ASSESSMENT



towards ENHANCEMENT

- Where is my City today?
- Where do I
 want my City
 to be after 30
 years?

WHAT LUCKNOW WANTS??

As an individual of the city, if we "Lucknawies" want our voices to be heard and our issues to be addressed on city level, this is the time to grab the opportunity!!

- Realizing "Potentials" of Lucknow
- Action plans for Lucknow as Global City

THE PROGRAM

VISION
IMPLEMENTATION
STRATEGY
INTEGRATED
INFRASTRUCTURE PLAN
FOR LUCKNOW





ISSUES AND CHALLENGES

S

STRENGTH

- **People-oriented city** with traditional character and higher heritage value
- Good road and railway connectivity to most of the important metropolitan cities
- Largest Literacy Rate 82.50% compared to district
- Medical facilities in city serve the neighbouring districts
- Famous for Chikankari, traditional embroidery style
- Famous for household and small-scale industries

OPPORTUNITIES

- Potential to:
 - become the SCR (State Capital Region)
 - to develop a Film City with rich architecture & heritage
 - of hosting International Events if apt infrastructure is provided
- Development of springboard for digital technology application for ensuring better service delivery
- Potential for reliance of future stock in terms of housing, land banks and industrialization from developing neighboring cities
- Development of many recreational and sports facilities along river
 Gomti with efficient waste management
- Upgrading and renovating the city parks(city of gardens or baghs)

WEAKNESS

- Qualitative and quantitative deficiency in public transport
- No proper space for vendors who contribute to 5% in economy
- Negligence of Pedestrian oriented development
- Poor sanitation; lack of proper public toilets and disposal of solid wastes.
- 26% of population lives in slums where 42% of the slums are on encroached land
- No proper ward wise equal distribution of social facilities such as hospitals, schools, community centers
- Migration of educated people to other cities for job opportunities

CHALLENGES

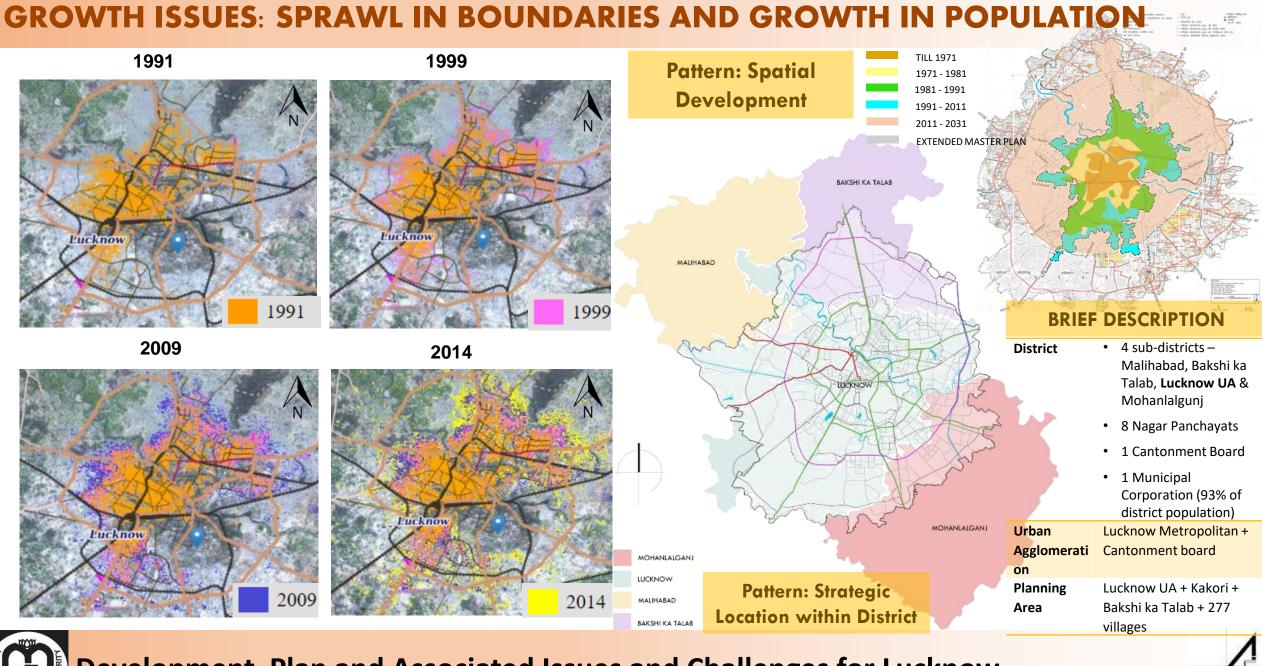
- To provide affordable housing to constant migrants of low-income group
- Highly congested road & poor pedestrian & traffic management due to fast-pace growth
- Overcrowding in city due to lack of counter magnets
- Current **unemployment** rate as per Ministry of Statistics is 8.5%.
- Frequent **political movements within public areas** as administrative part being in center of the city
- Rise in water pollution due to inefficient water waste management

C





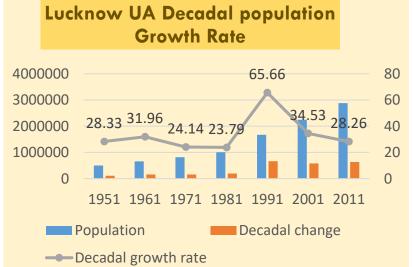






LAND USE PATTERNS AND ISSUES

Pattern: Population Trend



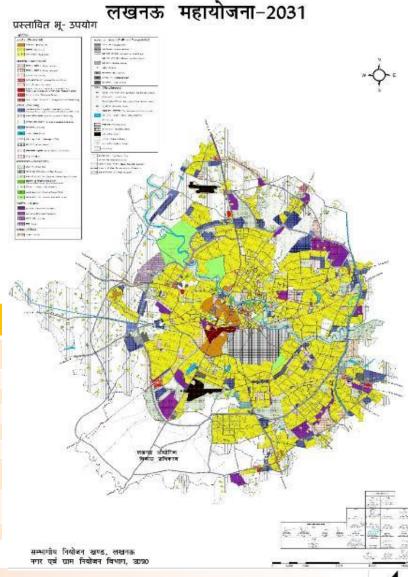
- Planning Area increased by 1.5 to 2-fold engulfing villages in periphery.
- Land-use division is not according to standards of URDPFI
- No buffer land in the form of agriculture/
 green belt outside the proposed urban uses
 and Parasitic uncontrolled/unplanned
 development in the adjoining areas outside
 the boundary

Land use Category	Master Plan 2021		Proposed in Master Plan 2031	
	Area in Ha	% in total	Area in Ha	% in total
Residential	21018.46	48.65%	33395.09	46.89%
Commercial	1345.84	3.11%	3672.82	5.16%
Institutional	421.47	0.98%	837.63	1.18%
Industrial	1647.61	3.81%	3683.59	5.17%
Recreational	9469.41	21.92%	13455.81	18.89%
Public Services	3970.69	9.19%	6967.77	9.78%
Transport	5332.54	12.34%	9207.67	12.93%
Agriculture, water				
bodies and special area.				
Total				100.00%

Proposed land use structure for Lucknow Masterplan 2031

S. No	Land use category		
140		Large cities	Metropolitan cities and megapolis
1	Residential	36-39	36-38
2	Commercial	5-6	5-6
3	Industrial	7-8	7-8
4	Public and semi public	10-12	10-12
5	Recreational	14-16	14-16
6	Transport and communication	12-14	12-14
7	Agriculture, water bodies and special area	Balance	Balance
8	Total developed area	100	100

(Source: revised based on UDPFI guidelines, 1996)





DEMOGRAPHIC PROJECTIONS

POPULATION PROJECTION WITH VARIOUS METHODS

Weighted Average	Weights	2011	2021	2031	2041	2051
Arithmetic Progression	20%	7,09,746	9,10,065	11,10,384	13,10,702	15,11,021
Incremental Progression	20%	7,09,746	9,10,065	12,20,559	15,31,053	18,41,546
Geometric Progression	40%	14,19,493	18,20,130	26,14,181	33,55,950	43,09,276
Industrial Push Method	20%	7,09,746	9,10,065	13,37,557	18,02,645	24,68,288
Total	100%	35,48,732	45,50,325	62,82,680	80,00,349	1,01,30,132







ARINEM =

ISSUES RELATED TO MOBILITY

Inefficient and disconnected transport network of Lucknow city

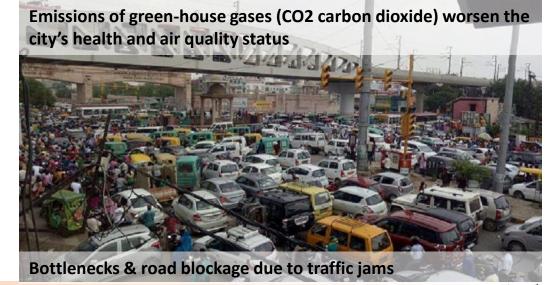


Emergence of **auto-rickshaws** as a public transport mode and **increase in personalized vehicles**



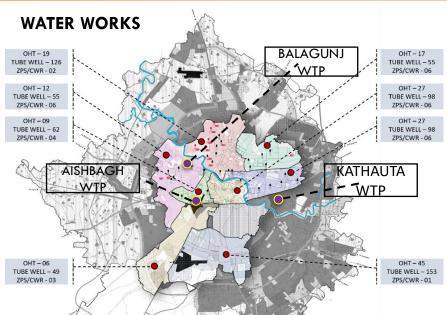






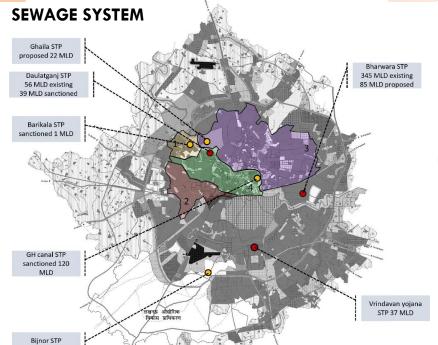


CIVIC INFRASTRUCTURE



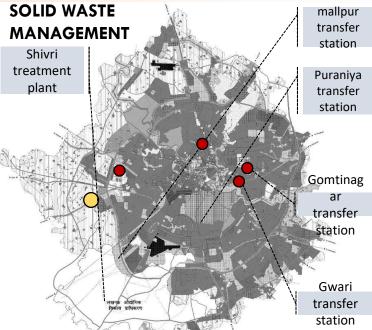
- Gap in total Water Supply (current scenario) is 20 MLD
- According to the standards, 13 (13 considered, but in current scenario Water Supply is not meeting the benchmark of water requirement, i.e., 112 LPCD.

requirement, near 112 21 CD.	
SOURCE OF WATER SUPPLY	SURFACE & GROUND WATER
Quantity of water extracted	725 MLD
Quantity of water supplied	705 MLD
Gap in total water supply	20 MLD
Water losses	45%
Water supply distribution hours	18-20 hours
Per capita water supply after total	112 LPCD (83%)
losses	
Total number of households with	323585 HH (63.14%)
water connection	



- Gap in total sewage treatment(current scenario) is 80.8 MLD
- Only, 10.30% of the City's sewage gets treated.
- In existing scenario, if the proposed and sanctioned STPs are started then the current demand can be fulfilled.

SEWAGE GENERATION	
Total Sewage Generation	784.20 MLD
Total treated Sewage	80.80 MLD (Bharwara STP &
	Daulatganį STP)
Total untreated Waste dumped	703.40 MLD
in river Gomti	
Current percentage treatment	10.30 %
Per Capita generation	172.33 L/day



No bio-medical waste treatment for Health care facilities, leading to major contributors to the pollution in the city.

SOLID WASTE MANAGEMENT				
Quantity of solid waste produced	1365 TPD			
Total number of wards	110			
Total number of zones	8			
Per capita waste generation	300 g/day			
Type of treatment	decentralized			
Households with door-to- door collection	52% of households			



ISSUES OF HOUSING AND SOCIAL INFRASTRUCTURE

Rapid growth of urban areas in cities and lack of affordable housing leading to informal urban growth.

The steady population growth has led to challenging urban conditions, including increase of unplanned and unsafe areas, deficiency in public services, facilities, infrastructure and violation of building norms and increase of traffic congestions.



Scarcity of land available for development due to the population concentration within the main urban mass of the city.

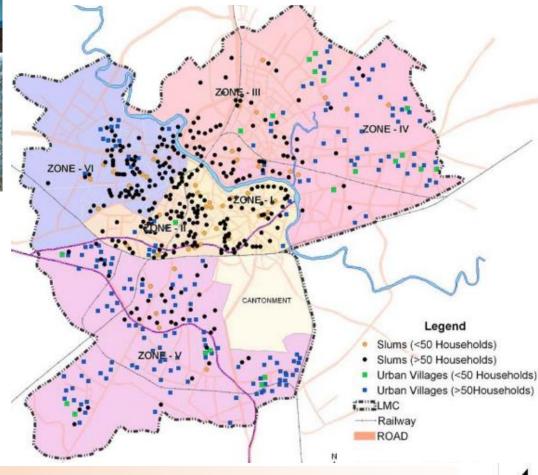


Narrow streets and their bad conditions led to **absence of good ventilation** to those areas, high pollution levels and **increased urban temperature**.



Lack of awareness in dealing with the waste and the lack of clear mechanisms for garbage collection and disposal.

Increase in population density area results in lower socio-economic zones thereby creating the composition of socially, educationally and a weak society.







HOUSING DEMAND AND SUPPLY STRATEGY

Housing Demand: Trend-based Estimation







Housing Backlog



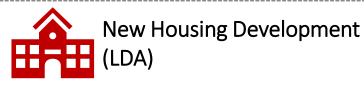


Obsolescence, Congestion and Homelessness





Vacant Residential Housing Stock Housing Supply: Market-driven Resource-based Estimation



New Housing in Brownfield Areas (New devel. In Lucknow)

- Redevelopment of Institutional & Noninstitutional Settlements
- Housing development in strategic growth areas like TOD, high PTAL value zones,

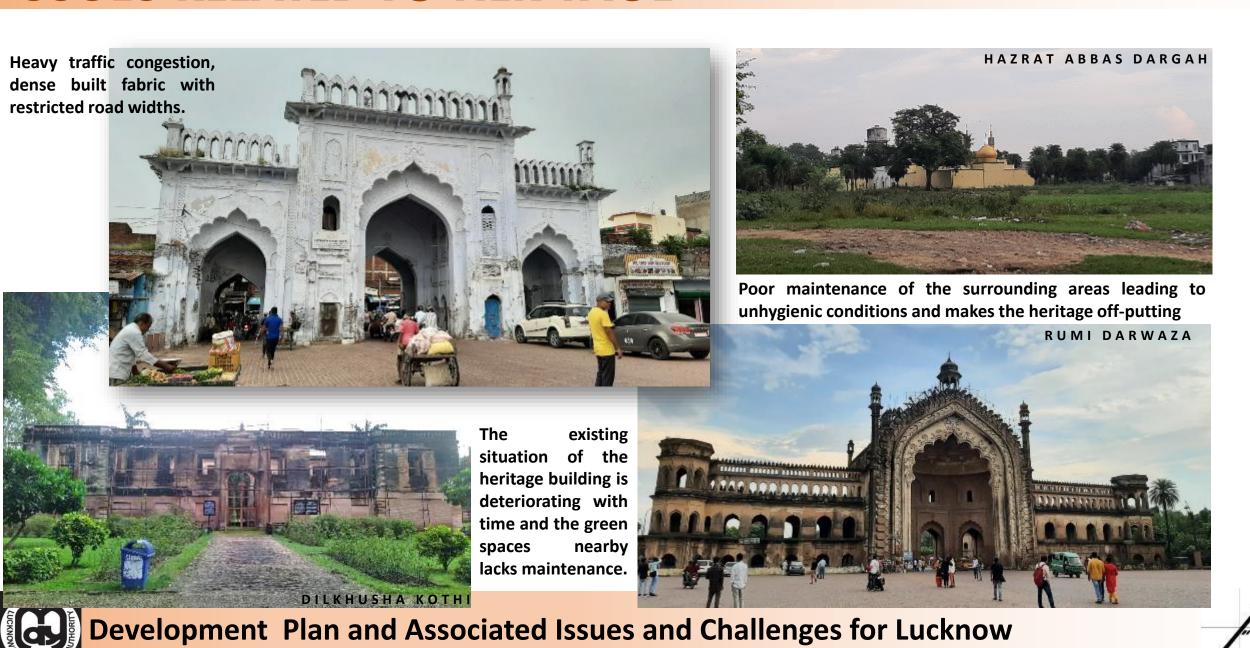
Number of dwelling units

Housing Demand Supply Gap

Number of dwelling units



ISSUES RELATED TO HERITAGE



HERITAGE AND TOURISM

Lucknow is known for its "Nawabi Shaan" which comprises of monuments and heritage sites.

Area along both the side of Gomti River has been identified as Heritage Zone in Lucknow Master Plan 2031. The zone is divided into three parts namely: -

- Hussainabad Complex,
- Kaiser Bagh Complex
- La Martiniere Complex

PICTURE GALLERY. HUSAINABAD BARADARI SATKHANDA **CLOCK TOWER** CHOTA **IMAMBARA** HUSSAINABAD COMPLEX KAISER BAGH COMPLEX SAFED LA MARTINIERE COMPLEX BARADARI MAJOR COMMERCIAL AREAS **HAZRATGANJ MARKET**

Destinations covered in the Heritage Arc are:

behavior of Lucknow.

Varanasi

AMINABAD MARKET

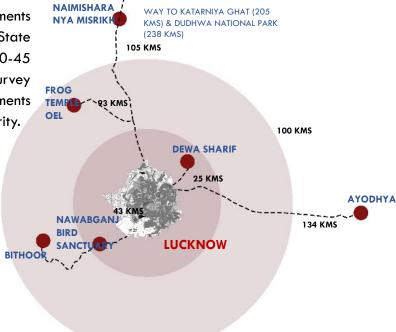
Lucknow is one of the cities which is been recognized in UP as a part of Heritage

Arc. Lucknow has several places to visit which depicts the Heritage and cultural

There are in total 60 key monuments in Lucknow, out of which 1-5 monuments are protected by UP State Archaeological Department, 40-45 monuments under Archaeological Survey of India and rest are other monuments not protected by either of the authority.

TOURIST FOOTFALL

Si. No.	Year	Indian Visitors	Foreign visitors	Total revenue collected
1	2015-16	368853	4917	2335965
2	2016-17	296994	3899	5234710
3	2017-18	128002	4556	2831230
4	2018-19	149149	4226	4420575
5	2019-20	116350	3367	3885175
6	2020-21	37070	14	930950



Excursions and places to visit - tourism near/around Lucknow

INFERENCES:

According to the reconnaissance survey, following observation were made-

- 1. The heritage area of Hussainabad complex lacks proper management and the nearby green spaces require maintenance.
- 2. The major commercial area of Aminabad market can be redeveloped/ street planning can be done since this area is congested and full of encroachment.
- pment Plan and Associated Issues 3. The major crossroad like Chowk Chauraha, Parivartan Chowk, Daligani bridge crossing face gridlocks

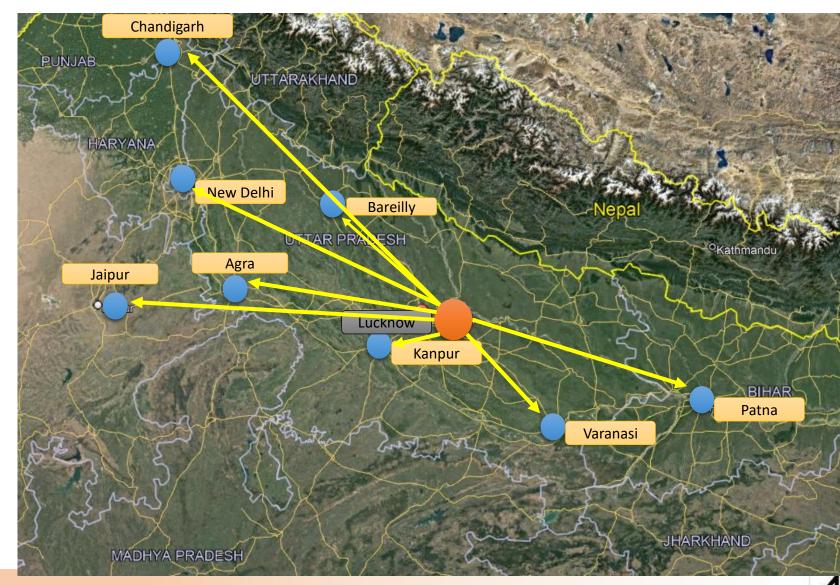


ECONOMIC PROFILING

As Lucknow is well-linked with other cities like Jaipur, Delhi, Varanasi, etc. which are famous for potential goods for export, this will provide growth potential for the city.

S. No.	POTENTIAL FOR NEW MSMEs
1	Potentials areas for Service Sectors
2	Information Technology
3	Electricals & Electronics Services
4	Engineering Services
5	Civil Construction Services Multiplex & Malls
6	Hotel, Restaurants & allied Services.

Lucknow is famous for its Chickankari work, Zardozi work, Gota works and for terracotta and decorative items.





TRADE & COMMERCE

Daily activities of the city's economic population

Hazratgunj Aminabad

Chowk

Employment to around 3 to 4 lakh people.

Other markets are Nishatganj, Gol Market, Indira Nagar, Gomti Nagar, Kapoorthala etc.

🕉 🕄 Dubagga Yahiyagani

Fatehgani

Dollygani

Pandey Ganj

Uday Ganj

Sadat Gani

5% of economic population; 2.5% higher than standards No specific place marked so bound to encroach on roads, footpaths etc.

Bhootnath market

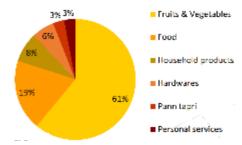
Formal (organized)

Patrakarpuram Chowraha Big showrooms & restaurants, regular and Mixed Use, owned/rented properties Economy is Rs. 75 lakhs

LAND USE COMMERCIAL 623.14 ha 2.55%

commercial activities:

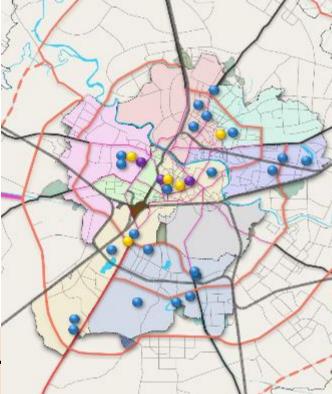
corporate offices/headquarters for manufacturing and service units, business process outsourcing centers, call centers, banking, insurance, retail trading, shopping malls, entertainment, cinema theatres, heath services, educational institutions, hotels, and restaurants etc.



50% of vendors in age group 20-40

15% are elderly (above 60)

17% are women



75% have salary below Rs. 10000 **40%** earn daily Rs. 300 to Rs. 500 61% of the informal sector deals in fresh fruits & vegetables indicating the agro based nature of the economy

Name	Location
Tuesday	Alambagh
Wednesday	Nishatgunj
Thursday	Aminabad, Nazirabad
Saturday	Sadar
Sunday	Nakhas Chowk

Chikan shops Major chikankari markets

Weekly markets

















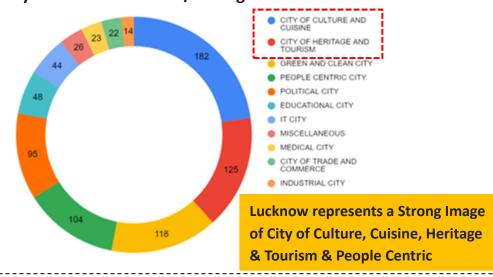




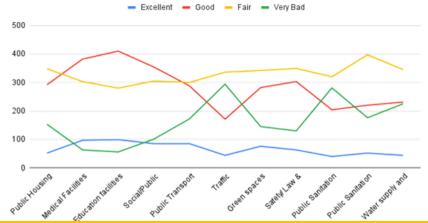
oment Plan an

PUBLIC SURVEY ANALYSIS

QUESTION 1: What picture comes to your mind when your city name is mentioned/ strong "IMAGE OF YOUR CITY"?



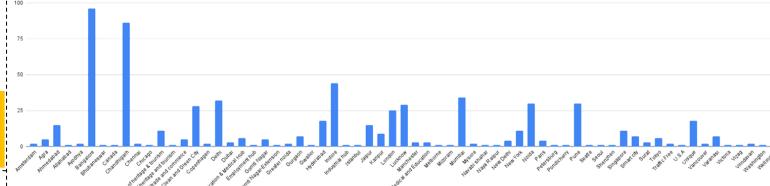
QUESTION 5: How would you rate the following in the city?



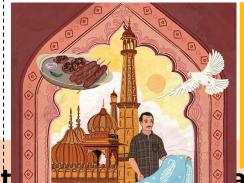
The city lacks good transport, cleanliness, law and order and good public housing but has been on the good side for medical facilities, education facilities and social and public spaces.

QUESTION 2: Which city would you want Lucknow to be like?

- Planned Metropolitan cities like Bangalore & Chandigarh among others. Many want Lucknow to retain its character with adapting developments like Indore, Delhi, Pune, Hyderabad and Mumbai. London, New York are also mentioned in majority.
- The culture and heritage came out to be the most liked feature of the city and the residents do not want to change this in the future vision of the city.



QUESTION 4: Which aspect of Lucknow do you like most and would not want to change in the future vision for the city?

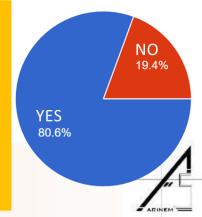


The culture and heritage came out to be the most liked feature of the city and the residents do not want to change this in the future vision of the city.

llenges for L

QUESTION 3: Are new buildings and developments in Lucknow improving the character, attraction and comfort of the city?

The residents of the city understand the fact that in order to keep pace with the ongoing modernization, the city needs to evolve and are ready to adapt to new interventions.



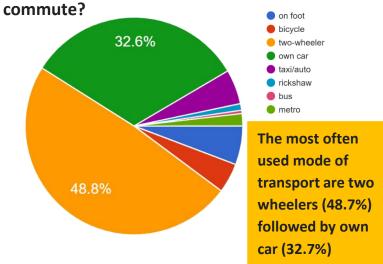


PUBLIC SURVEY ANALYSIS

QUESTION 6: What do you think would be required to change all the VERY BAD options to GOOD/ EXCELLENT in the previous question?

- Providing public housing that is better planned keeping connectivity in mind. The prices should suit the dwellers for which the housing is being planned.
- Providing more green spaces to curb pollution and to check the flow of polluted water in the river Gomti.
- The fare of Lucknow Metro is quite high; conditions of public buses are not good enough and private auto-rickshaws/E-rickshaws are the main reason for traffic-jams on main roads.
- City's 70% population have no sewage connection, no S.T.Ps for the mostly residing population, during rains the waterlogging is the main problem for most of the population of the city.

QUESTION 8: What is your usual mode of



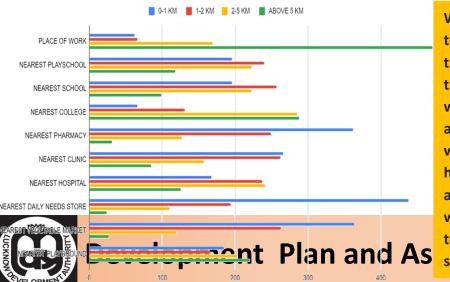
QUESTION 9: Do you use Public Transport often? If not, why?

The majority answered with a

'No'. The reason being -

- Poor connectivity of the public transport to various parts of the city
- Public transport takes more time and is often crowded.

QUESTION 7: What is the distance between your Residence and below mentioned community facilities?



When it comes to connectivity, the majority had their place of work situated at a distance which was above 5km; however almost all the areas are well connected to daily needs

QUESTION 10: If you are using Private Vehicle, would you like to switch, if efficient Public Transport is easily accessible?

76% of the people were ready to switch to public vehicles if efficient public transport is made easily accessible to them

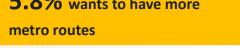
7.1% still do not want to change their mode of transport

16.8% were still confused whether they will or will not change their mode of transport **QUESTION 11: Which Intermediate** public transport you would prefer to see more on Lucknow roads?

41.7% wished for nonpolluting autos followed by cab and taxis (25.1%)

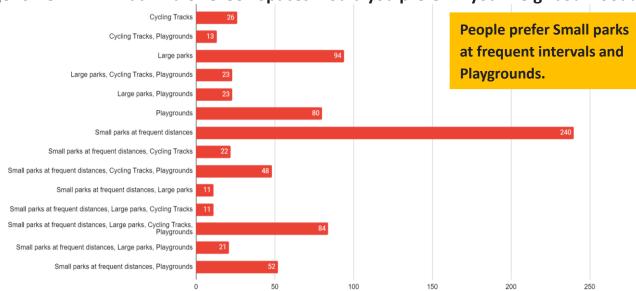
14.6% wants to see more Erickshaws

5.8% wants to have more metro routes



PUBLIC SURVEY ANALYSIS

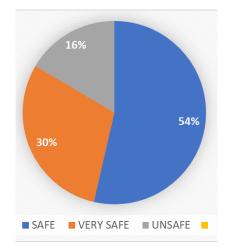




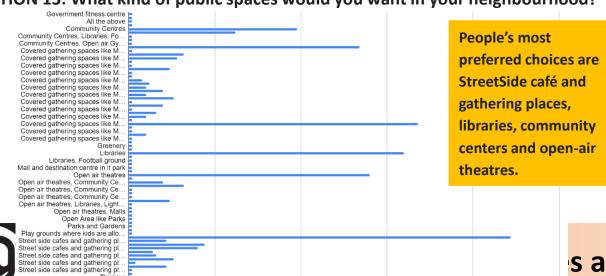
QUESTION 14: Do you feel safe on the city streets, especially if you are a woman?

The following were the reasons mentioned for 'not' feeling safe on the streets –

- Criminals and chain snatching
- Most of the cameras at public areas are still not functioning.
- Lack of security and poverty.



QUESTION 13: What kind of public spaces would you want in your neighbourhood?



The following measures are suggested for increased safety and security on the streets –

- Strict rules are required, more women police officers
- Public awareness and prompt action by local administration may help
- Regular surveillance and cctv cameras in every 50-100 meters like Delhi
- In order to feel more safe, places need to identify which should be having the proper street lighting where it does not feel safe for the women.
- Security system to be strong with implementation of AI



s and Challenges for Lucknow

6 AREAS OF INTERVENTION

(MAJOR POLICY AREAS)



G 1

G 2

G 3





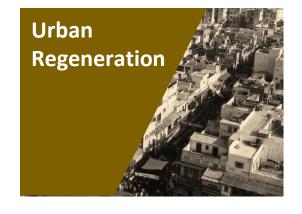








SPATIAL STRATEGIES









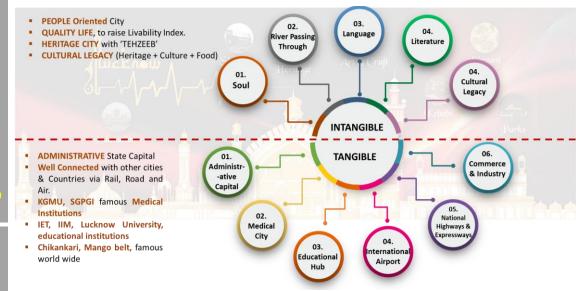
THE 4 P's: STUDY FRAMEWORK

INCEPTION & EXISTING SITUATION ANALYSIS

Time to PONDER- Strengths, Weaknesses, Opportunities, Threats!!



EXISTING SITUATION ANALYSIS & DEMAND ASSESSMENT





SPATIAL STRATEGIES Urban Regeneration



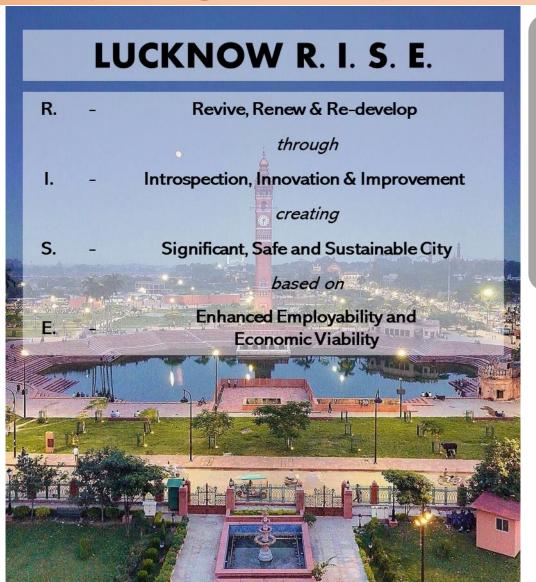
VISION LUCKNOW

ENVIRONMENT ECONOMY MISSION: LUCKNOW "R.I.S.E." **EXPERT CULTURE INPUTS** CASE **SHELTER STUDIES BASE** Enabling **Policies WORK ENGAGEMENT MOBILITY** SOCIAL + PHYSICAL Potential **INFRASTRUCTURE** strategies **PUBLIC SPACE** STAKEHOLDER CONSULTATIONS



DEMAND ASSESSMENT & VISION PLANNING

LUCKNOW R.I.S.E.: PLANNING FRAMEWORK

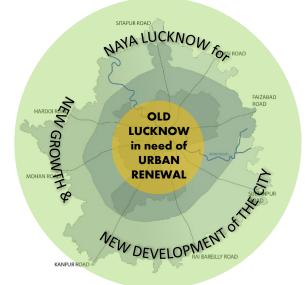








Lucknow is foreseen as a State Capital Region.







The BASELINE





13 CLIMATE ACTION

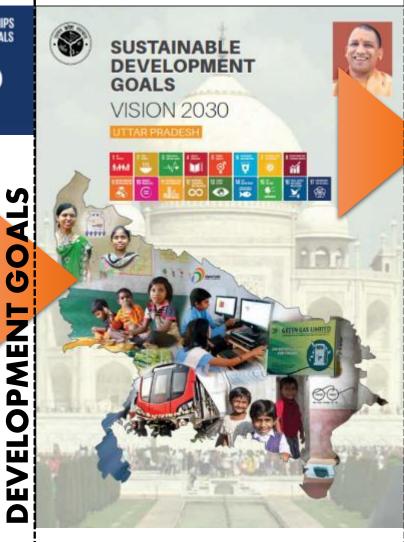
15 LIFE ON LAND

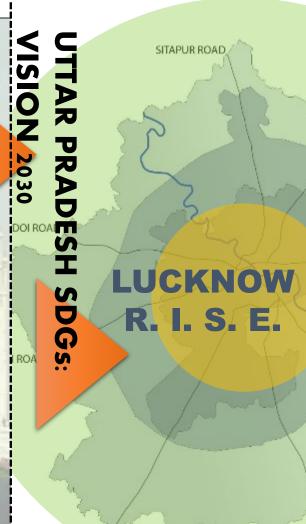










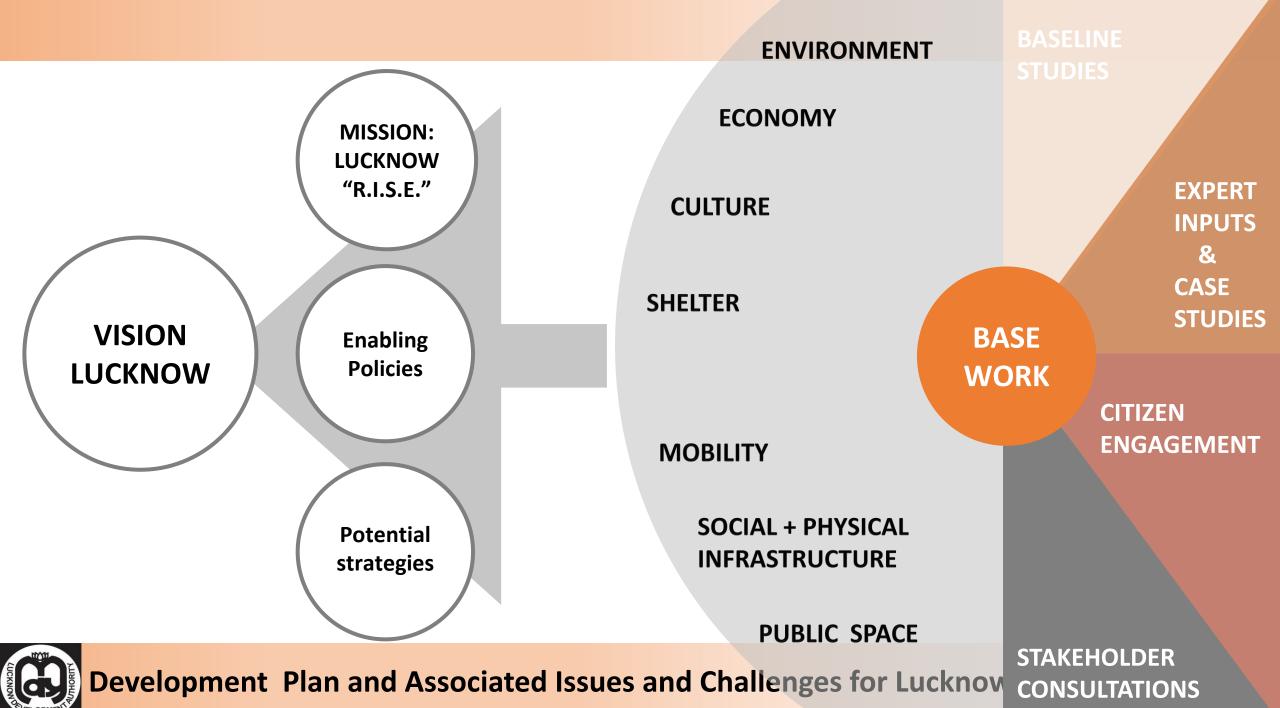


KANPUR ROAD



Development Plan and Associated Issues and Challenges for Lucknow

SUSTAINABLE



SECTORAL GOALS & STRATEGIES

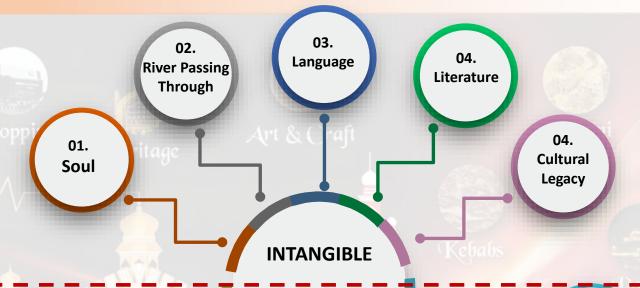
LAND USE Allocating land parcels and dedicating land uses in consideration to **City Vision Plan Interventions and Proposals** Sector 1 **Integrated with Master** GOAL-1 INTEGRATION • Controlling lateral Sprawl though vertical Growth by Land Use modifications Plan • Muti-modal Integrated Transport with Ring Roads **Providing Housing and** •20 minute neighbourhoods city wide esp. in Greenfield developments housing choices on the HOUSING Sector 2 • High Rise Mixed Use along TOD with FAR incentives **GOAL-2** concepts of Live, Work • Rental and Affordable Housing closer to jobs and opportunities and Plav Urban renewal in Brownfield areas •Integrated Multi-modal Transport System in hierarchy with road network **Sustainable Integrated TRANSPORT** Sector 3 •Ring Roads to be developed on TOD concept **GOAL-3 Transport Network** • Prioritizing Walkability though 20 minutes Neighbourhoods all over city esp **Greenfield areas Enhancing Heritage and** • Improving Heritage Assets through Conservation, Restoration & Rejuvenation **HERITAGE** of Identified Heritage Complexes Sector 4 Culture "Soul" of the **GOAL-4** Maximizing Walkability in Heritage Zones City •Strengthening of Heritage Arc and Tourist Circuits by Placemaking **Developing new Urban SOCIAL** •Student- Centric Sub City with Economical approach communities as activity Sector 5 •Medi-city with World class Infrastructure **GOAL-5 INFRASTRUCTURE** centers and people •Integrated Geriatric Center & Childcare Centers centric spaces Community and gathering open and closed spaces within walking distances CIVIC **Making Lucknow a** •Innovative techniques and Interventions for Water Treatment & Supply, **Sewerage & Sanitation and Zero Waste City** Sector 6 Sustainable and resilient **GOAL-6 INFRASTRUCTURE** • Extensive use of Renewable Energy and reduction of greenhouse gas emissions city Disaster Mitigation using Innovative Technology Constructions Sustainable Dedicated Industrial Zone with Freight corridors Development, and **EMPLOYABILITY** GOAL -7 Inception of Financial District Sector 7 **Economic growth with** • Strengthening of Informal and Vendor activities at neighbourhood level

Job Opportunities

DEVELOPMENTS & PROPOSED Connectivity Projects Untitled N Legend Write a descripti • Feature 1 Metro **Metro Future Ring Road** SH & NH IIM LUCKNOW eldeco city **Green Corridor** Jankipuram, Lucknow, Uttar Pradesh sahara city homes luck www. **FAIZABAD** Amrapali awas yojna BBD Green city Comti Nagar , Lucknow Rajajipuram, Luck **TAJ EXPRESSWAY KISAAN PATH** PROPOSED ROAD ALONG GOMTI RIVER **ETAWAH** Vrindhavan yoip Ansal Sushant Golf City Media Enclave SH 40 dif township **PURVANCHAL EXPRESSWAY NH 24B NH 25 NH 56 SULTANPUR** Google Earth

OTENTIALS

- PEOPLE Oriented City
- QUALITY LIFE, to raise Livability Index.
- HERITAGE CITY with 'TEHZEEB'
- CULTURAL LEGACY (Heritage + Culture + Food)



- ADMINISTRATIVE State Capital
- Well Connected with other cities
 & Countries via Rail, Road and Air.
- KGMU, SGPGI famous Medical Institutions
- IET, IIM, Lucknow University, educational institutions
- Chikankari, Mango belt, famous world wide







POTENTIALS AND OPPORTUNITIES

- ➤ High-Tech City/ Medi-city/Educational hub
- better healthcare and educational infrastructure in terms of City sectors as Medical, Educational And IT Hubs

- retention of water bodies & renovation of existing greens
- rejuvenation and Riverfront development
- Bio-Diversity park, Recreation / renovation of open space,

- ➤ Water Supply, Rainwater harvesting & City Drainage Plan
- Augmentation Water supply network, Roof water harvesting at community level, Singapore's NEWater Strategy, Water sensitive urban design, Integrated urban water management

- ➤ Renewable Energy Development
- Solar Parks, Floating solar parks
- Solar rooftops installations
- Biomass Energy, Geothermal Energy
- Sewerage & Sanitation, Reuse of treated wastewater
- STPs, Household level pre-sewage treatment, 'Zero waste'/ 'Zero Land-fill', Decentralized Wastewater Treatment, Faecal Sludge Management, Household level pre-sewage treatment

POTENTIALS AND OPPORTUNITIES

- ➤ Improving Transport linkages within the city and for the city, road improvements/
 Development including smart roads
- Freeways, New linkages, bye pass road, road widening, junction improvement, NMT,

➤ Disaster risk reduction

Flood Management plan

> Solid Waste Management

- Door to door collection
- waste segregation
- waste to energy
- Plastic to fuel

LUCKNOW AND THE LOPING TO THE



> Housing

Housing policies

- √National Urban Rental Housing Policy (NURHP), 2015
- √ Integrated Township policy, 2014

New interventions for housing

- ✓ Stacked student housing
- ✓ Green Township
- √3-D printed concrete houses
- ✓ Sustainable housing development- the ecovillage will make use of recycled glass, concrete, and wood
- ✓ Modular Building Systems
- √ Prefabricated Homeless Housing Plans

➤ Heritage And Tourism

- The Heritage Arc
- Policies
- ✓ Sustainable Tourism/ Eco Tourism.
- √UP pro poor tourism development project
- ✓ UP tourism policy
- √The Homestay scheme
- ✓ Including more tourist experiences along the heritage walk route

> Urban Environment

- Net Zero Energy
- Solar Parks/Energy
- Street Planning
- Strategies
- **Environment Management Plan**
- **Eco- Sensitive Zones**
- UJALA scheme
- and Challenges for Lucknow • Deen Dayal Upadhyaya Gram Jyoti Yojana

EVELOPMENT

VISION LUCKNOW 2051 MASTER PLAN

REGIONAL & GLOBAL CONNECTIONS Improving Inter-city and Regional Connectivity

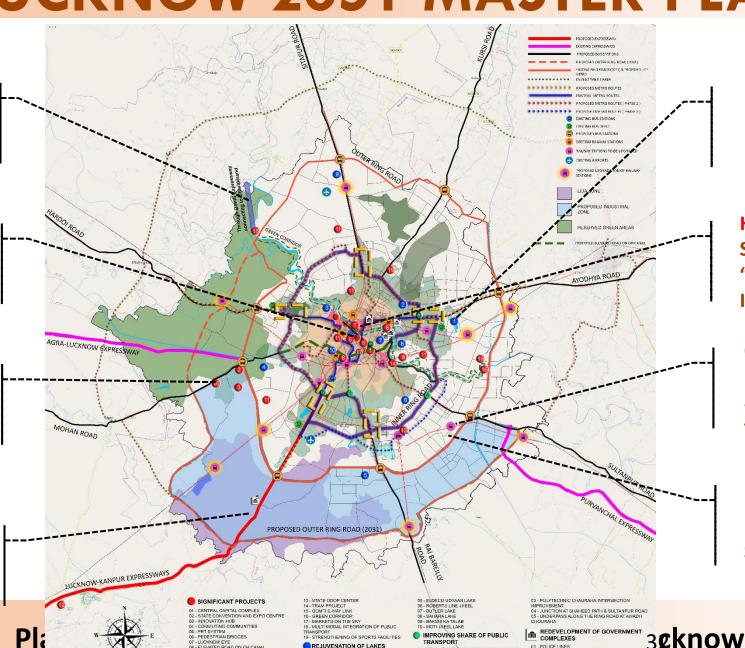
ADMINISTRATIVE CENTRAL COMPLEX Strengthening **Administrative Identity** of the Capital City

SOCIAL AND COMMERCIAL INFRASTRUCTURE Reforming the city structure by strengthening and creating growth centers

INDUSTRIAL & COMMERCIAL ACTIVITY CENTERS Planning for dedicated

Industrial Zone and

beveroprient Pla



REJUVENATION OF LAKES

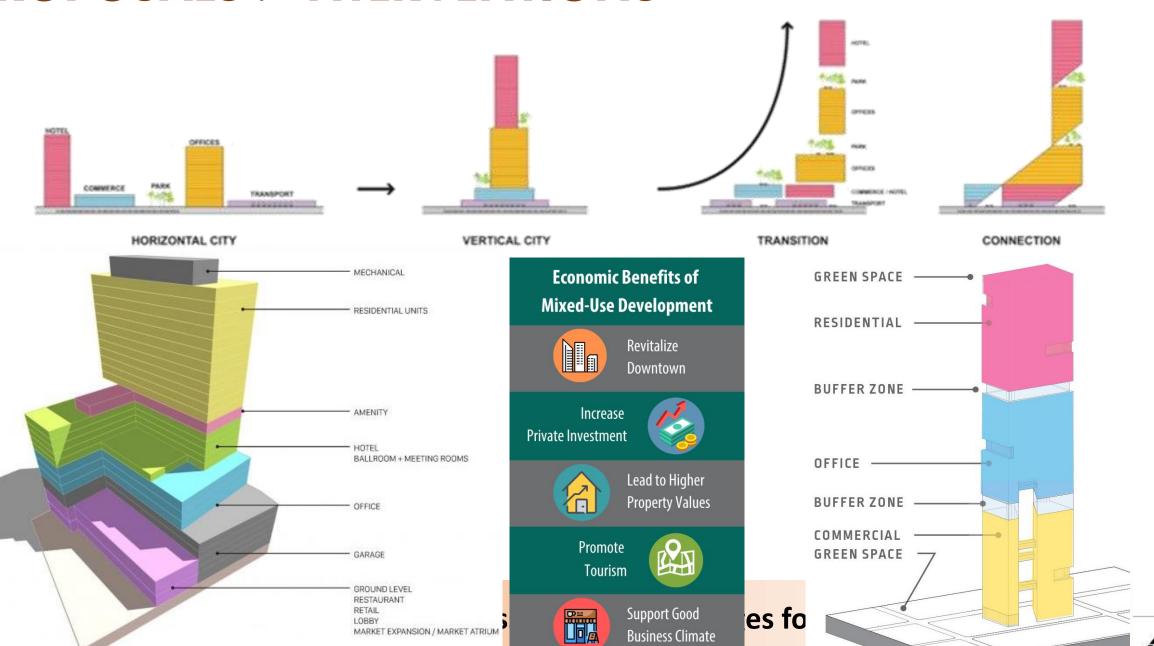
UTILITIES & ENERGY Innovative Civic Infrastructure Technologies and Productive use of **Renewable Energy**

HERITAGE & TOURISM Strengthening "Heritage and Cultural **Identity**" of the City

CITY MOBILITY Improving Intra-city access to jobs and closer to residential areas

HOUSING Diverse Residential Supply

ROPOSALS: NTERVENTIONS



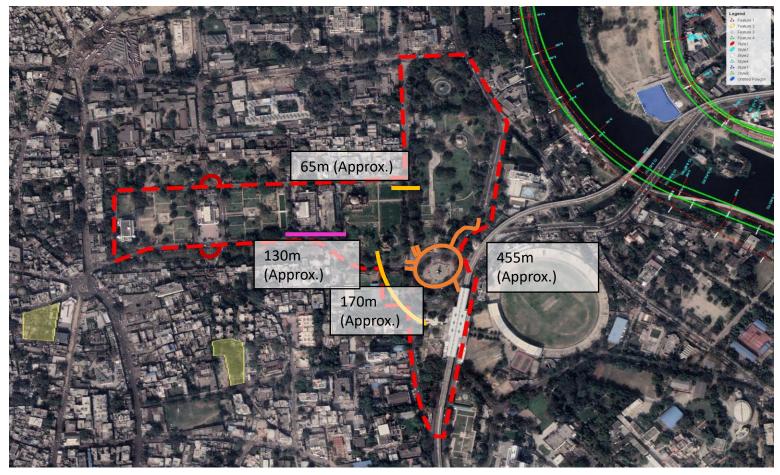
ENHANCEMENT OF SOCIAL INFRASTRUCTURE

FOR INSTANCE: Project 1: CENTRAL HERITAGE PARK- HERITAGE AND TOURISM

Interlinking Identified/Unidentified Heritage Parks Of City with Surrounding Greens

- To integrate the disconnected parks to form a central green park with public plazas which enhance sustainable mobility
- Reviving & Renovating city parks, as the city is famous for its gardens/baghs.
- Provide Safe Zones for Children and oldage people
- Developing civic space including urban plazas, water features, jogging tracks, lawns, vending zones, hardscape surfaces facilitating a range of uses

Land- 35-40 Acres
Capital Investment- Rs.225 Cr.
Department- UP Tourism
Phase- Short Term (2022-2026)



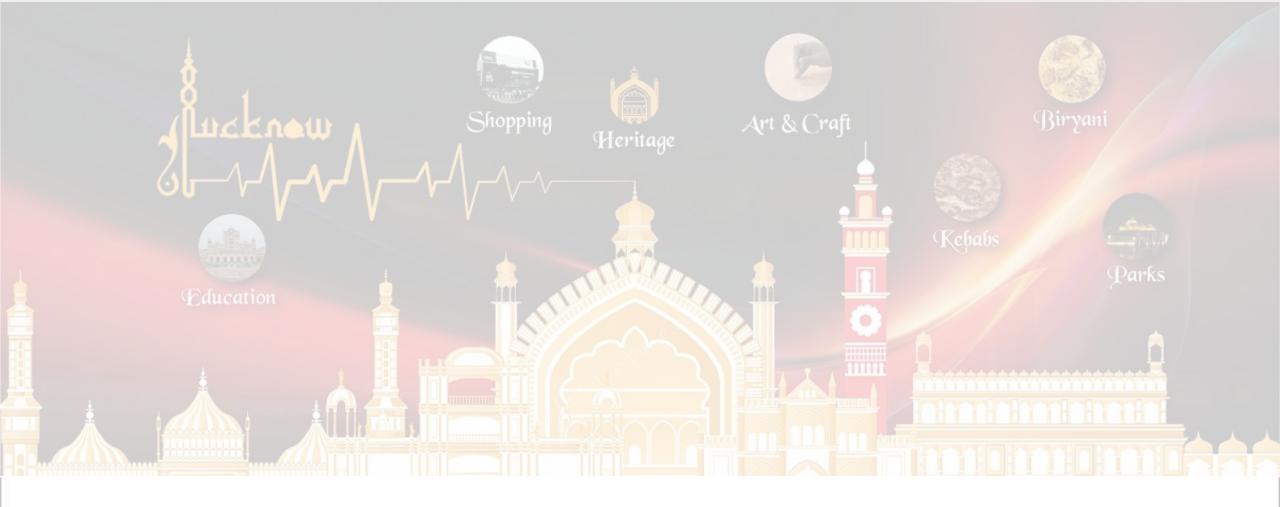
Pedestrian F.O.B

Pedestrian Subway
Under the road









THANK YOU



Vision, Implementation strategy and Integrated Infrastructure plan for Lucknow

PREPARE DEFINE DESIGN

