

Integrating Public transport system and IPT with ABD area of Lucknow Smart City

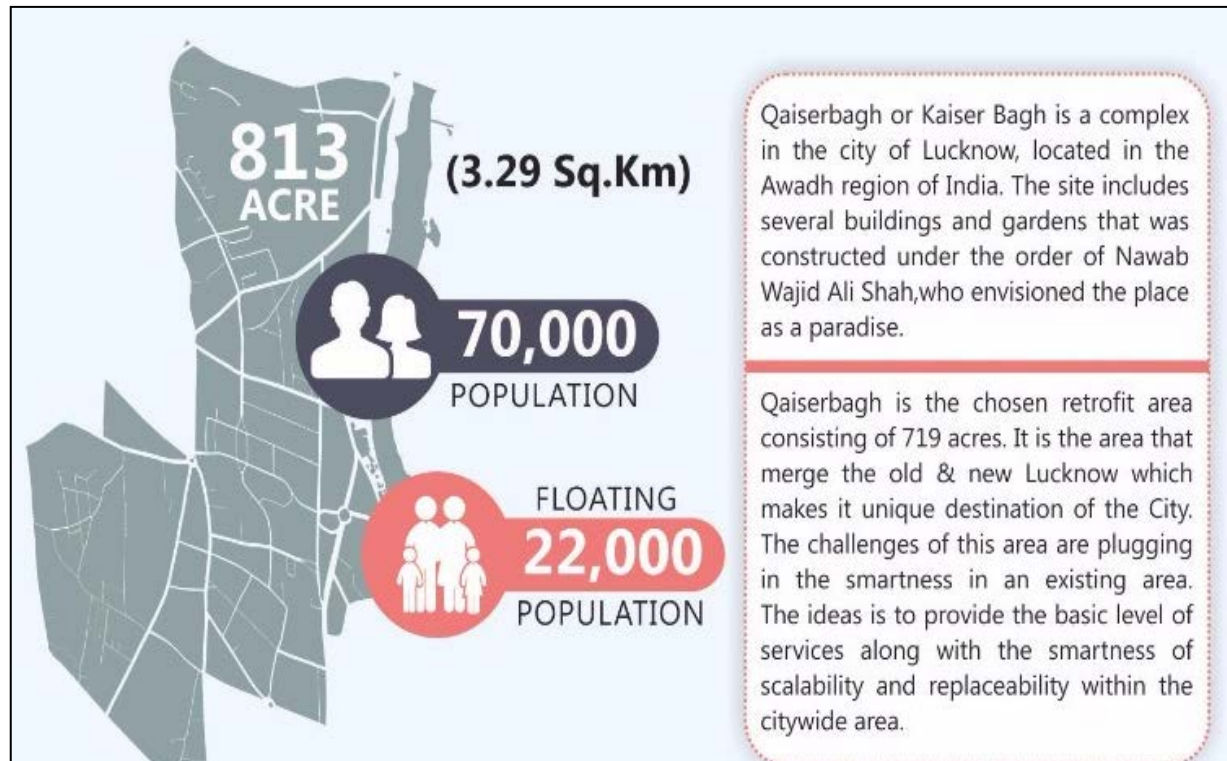
- Lucknow Smart City
 - **Vision:** "Lucknow Smart City aspires to leverage its culture and heritage by investing in inclusive and transformative solutions that enhance the quality of life for its citizens".

MOBILITY - SUGAM LUCKNOW

Area Based Development

"ONE LUCKNOW NODES" are proposed with smart mobility solutions for commuters ease and to encourage NMT, cyclability, etc. Pedestrian friendly pathways [Barrier free] and Pelican Crossings are proposed to encourage walkability. Multi level smart parking solutions are proposed to decongest roads from un-regularised on-street parking, thereby improving vehicular movement, resulting in increase in travel speed, reduction in air pollution and fuel consumption. Introduction of Smart Ticketing solutions [penalty system] to curb encroachments on footpaths and facilitate walkability.

Study Area



Lucknow Smart City its Area Based Development which chosen as **Qaiserbagh of 813 acres** is an inter phase between the old city and the relatively newer part of the city.

Present Transportation status of lucknow City

Bus fleet: 260, cycle track: 82Km(completed), 35.33Km (under-progress) and 95.75 Km (proposed). Road widening:53.56 Km(completed),15.26 Km (under-progress), City Metro:Phase-1(completion by Oct,2016). underground parking: 7 nos.(740ECS). Flyovers:5 nos. (completed) & 2 nos. (completed). 3 bus terminals & 3 satellite railway station (proposed) and distribution of e-rickshaw.

Modal Split(%): Private-47%[4Wh-5%, 2Wh-42%]; IPT-17%[Auto-9%,Cycle Rickshaw-8%]; Public Transport-3%, NMT-33%[Walk-17%,Bicycle-16%].

Avg Trip Length-5Kms

- AVERAGE TRAVEL SPEED (CORE CITY): 9Km/hr(2012) to 6Km/hr(2015) & (outer city): 20km/hr(2012)-15km/hr(2015)

Source: Lucknow Smart city City Transport Corp, PWD, LMC, CMP

Statement of the problem

Currently share of public transport system in only 4%, resulting the high growth of two wheelers and IPT modes.

Traffic and transportation has emerged as the major concern from the city profiling, hence resulting as our main theme for intervention. Integrating Public transport system and IPT will be implemented to area based development with goal to achieved mentioned below :

- To Integrating Public transport system and IPT
- To encourage walkability and cyclability
- To provide technology enabled smart solutions to encourage Public transportation
- To reduce on-street parking
- To provide seamless last mile connectivity.

Project scope in ABD area

- Integrating Public transport system and IPT
- Route Rationalisation
- Public Transportation infrastructure

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- Non Motorised transportation plan

Stakeholders

As of now identified stakeholders are:

- Lucknow Smart City Ltd (SPV)
 - ULB(LMC);
 - LMRC
 - UPSRTC
 - Directorate Urban Transport: Lucknow City transport
 - RTO
 - Traffic police
2. Planning Authorities;
- LDA;