

# Continuous Productive Urban Landscapes

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## Abstract—

CPUL proposes a coherent strategy for integrating of rural landscapes into urban landscapes. When we talk about sustainability we always talked about water, air, land but we miss one of most important things i.e. food. Without food none of us can survive then without taking consideration of food how can we maintain sustainability or a sustainable city. If a city can't produce for its own it never be sustainable.

As we know about the urban sprawl, that has been criticized for eliminating agricultural lands. Research concludes that by mixing these two contradictory things, we can achieve the future sustainable city infrastructure and environment as well. The research focuses on overall outcome of intermingling of agriculture into urban infrastructure as sustainability element.

CPUL concept is a creation of multi functional open urban space network. The complexity of urban food system is both the challenge and opportunity at the same time. Research concludes the feasibility of the CPUL and ways of integration of both and finally the outcomes of the same.

## 1. INTRODUCTION

No element exist in isolation; elements are simply the raw material of the city image. They must be patterned together to provide a satisfying form.

CPUL impacts on the city qualitatively with respect to citizens, experience and quantifiably with respect to reduced negative environment impact. The concept recognizes that each site and city will present a unique set of conditions and competition.

Rapid urbanization and the growth of trade and industry have significantly reduced the contribution of agriculture in Delhi economy. As per latest agricultural census 2000-2001, the NCT of Delhi has a total of 28,315 agricultural holdings which was declined by 9.37% from 47,587 hectares during 1995-1996 to 43,126 hectares during 2000-2001.

To curb this economic issue CPUL is a step ahead, which would also balance the ecosystem services. Delhi is one of the greenest capital , planting of fruit trees encourage biodiversity

## 2. BENEFITS

### ENVIRONMENTAL BENEFITS

CPUL provides environmental benefits by preserving or creating urban open space within a city , where green space

may be threatened by expanding urbanization , In addition to aesthetic preservation and creation of green space has positive climate effects including augmenting carbon sequestration (minimizing organic carbon mineralization that means managing crops and soil to reduce coordination that break down or oxidized organic matter- letting plant material decompose more naturally and slowly, reducing soil erosion), reducing the urban heat island effect and providing a habitat for organisms .

### SOCIAL BENEFITS

Closely related to health is food security, or dependable access to adequate and nutritious food CPUL may be an opportunity for urban poor to produce food for themselves or to sell their products for income .localised agriculture can also improve resilience by ensuring that there will be a more certain food supply in times of shortage , instability and uncertainty

Agriculture in urban landscape is often an effective strategy for poverty reduction and social integration of disadvantaged groups with the aim of integrating them into the urban network providing a descent livelihood and preventing social problems such as drugs and crime.

### ECONOMIC BENEFITS

Farming households lower their food cost substantially and can generate income by selling excess produce, which is significant, as urban poor commonly spend 50- 70% of their income on food.in addition to farming jobs CPUL can spark a need for traders , input suppliers processors , marketers and others.

Urban landscape farming gives woman an other non heads of households a low barrier occupation through which they support their families, adding to household productivity and giving women an outlet to assert themselves.

Producing food within a city shortens supply chains which aids quality and cost as it requires less transportation in frastucture to bring food in from other areas.

Introducing pulses into farm production can be key to increasing resilience to climate change .agroforestry systems are more able to withstand climate extremes as pulses are

hardier than most crops and help nourish the soil. Vegetables can also inherit in the system.

“District are structured with nodes, defined by the edges, penetrated by path and sprinkled with landmarks. Elements regularly overlap one another.”

Suppose we consider CPUL as a element which must be patterned, structured, penetrated in a city to form a city image or image city form but the concern is HOW?

Let us start with the main node of Delhi, and for the continuity, min focus is on metro corridors at the initial level.

### 3. PROPOSAL OF GROWING VEGETABLES AND PULSES UNDER METRO CORRIDOR AND HIGHWAYS

According to available data metro corridor is approx. 213 km and we will able to achieve around 50-60 acre of area under metro corridor for cultivation which would in-turn generate the economy and stabilize the carbon content of the city and under metro cultivation is connected and recognized in a whole city as metro is a main transit system of a city.

we can easily grow the vegetables and pulses in patterned way in under metro corridor , the strategy has its above mentioned benefits as well as add aesthetic and scenic quality of a city



### 4. CRITICISM:

Landscaping now a days become a fancy thing to enhance the scenic quality of anything. If we take it otherwise and try to establish landscape which is more productive without compromising the aesthetics, is more relevant to our ecosystem and it may stabilize many other issues of climatic concern.

Mal practices under the name of urban farming.

Urban farming at the the banks of Yamuna at Delhi .A farmer harvests his vegetable crop by polluted Yamuna river, Nigambodh Ghat, new Delhi india, the water is toxic and full of pollutants which is passed directly to the crops.

### 5. FUTURE SCOPE

The Research is still on progress to achieve many other ways to do the same. To inherit the CPUL in a planned city is a challenging task. we are trying to identify all other possible outcomes for intermingling of CPUL in a city and also trying to develop CPUL for future planned cities.

### REFERENCES

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