



View from the barrage looking towards the Seetanagram hill

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VISION, GOALS AND STRATEGIES

This chapter presents the Capital city Vision to guide development in the Amaravati Capital city.

The chapter covers the following topics:

1. Urban Sustainability Framework
2. Vision, Goals and Strategies

2.1 URBAN SUSTAINABILITY FRAMEWORK

As part of the overall planning process, an Urban Sustainability Framework is established to provide guiding principles and overarching parameters for the subsequent planning processes that will ensure the long term sustainability of the Amaravati Capital city.

The critical components in city development that may affect the long term sustainability of the city will be explained as to how they can be addressed consistently in all stages and aspects of city planning.

In establishing the framework, a “Targeted Approach” is adopted with identification of 6 specific sustainability areas to be examined. This approach was developed by the consultants based on past planning experiences. It helps urban planners to identify the context specific issues of the city, following the broad guidance of the 6 areas of concerns as shown in the following diagram.

Though sustainability issues may differ from city to city and are unique to a particular city or region based on its historical context, it can be concluded that the main sustainability issues generally revolve around these 6 key areas.

Besides identifying key sustainability issues, the framework will also set the sustainability targets and Key Performance Indicators (KPI's) for the city's long term development. The sustainability targets form the overarching parameters to be achieved through the implementation of the master plan in the next 20 and 40 years.



Fig.2.1 Urban Sustainability Framework

2.1.1 KEY SUSTAINABILITY ISSUES IN THE CAPITAL CITY

Several important issues have been identified that need to be addressed in terms of sustainability. The consultants team has prioritized the following 6 issues that will transform into the Goals of the Master Plan.

1. Creating Jobs
2. Attracting investments
3. Provision of good quality housing
4. Nature and Environment
5. Flood Management
6. Heritage & Culture

2.1.2 SUSTAINABILITY FRAMEWORK

Key Issues	Existing Condition and Potential	Targets/KPI's
Creating Jobs	This issue is directly related to Economic Sustainability of the new Amaravati Capital city. In order to attract people to come to this new Capital city, they must be able to find employment. The existing potential of Agro-based industries needs to be capitalized upon for this purpose.	<ul style="list-style-type: none">• Generate jobs to sustain a population of 2.5 million people in the Amaravati Capital city.• Generate knowledge based and high-tech jobs to sustain a population of about 2 million people within the Amaravati Capital city
Attracting Investments	The Amaravati Capital city is to be developed on a greenfield site. Therefore, attracting investments to kick-start development and sustaining the same in the long run is a bigger challenge. The employment generators need to be carefully proposed to balance the needs of the locals and also to attract global investors.	<ul style="list-style-type: none">• Identify key strategic projects that will form part of the initial phases of developments in order to attract investments both locally and globally.
Housing	Housing provision has been a key concern throughout India for a long time. Currently, most of the housing supply is catered for the High Income Group, despite having a strong demand for housing by Low and Medium Income Group people. Government needs to devise strategies to develop affordable housing for the vast majority of people that are not being considered at the moment.	<ul style="list-style-type: none">• Target minimum 50% affordable housing to cater to Low and Medium Income group• Ensure strict planning and construction standards at par with global norms to ensure quality of housing
Nature and Environment	The Amaravati Capital city is blessed with a rich array of natural and environmental features. These include the Krishna River, Kondapalli Reserved Forest, Mangalagiri Reserved Forest, Tadepalli Reserved Forest among others. In addition to this, there are several canals and river tributaries that pass through the Amaravati Capital city area that need to be carefully considered in the planning.	<ul style="list-style-type: none">• Preserve all natural features and enhance their characters
Floods	The Capital Region is also prone to floods. Management of the flood waters, especially within the Amaravati Capital city will be one of the key considerations in the planning.	<ul style="list-style-type: none">• Design a sustainable flood management system• Utilize existing canals and water-bodies for storm water management and recreational activities.
Heritage	Several heritage and cultural features fall either within or in close proximity to the Amaravati Capital city. A few of these include Amaravati, Undavalli caves, Kondapalli Fort, etc. It becomes critical to protect these features and also integrate them in the planning. A comprehensive strategy to develop a heritage tourism circuit needs to be considered at the Amaravati Capital city level. The circuit should be well integrated with the Capital Region tourism circuit.	<ul style="list-style-type: none">• Develop a heritage tourism circuit to connect all heritage sites• Allocate necessary facilities to compliment the tourism at these heritage sites

2.2 VISION, GOALS AND STRATEGIES

VISION:

People’s Capital of Andhra Pradesh

The New Capital of Andhra Pradesh is envisioned to be the pioneer Smart City of India. It aims to be World Class and at par with the standards set forth by countries such as Singapore. The new capital will be an economic powerhouse that will create a range of jobs for existing resident villagers by upgrading their skills, as well as provide high-tech and knowledge based industry jobs to be globally competitive. Housing will be at the core of its planning and will aim to provide affordable and quality homes to all its residents. It will

demonstrate global quality of life standards to offer high levels of convenience to people of all ages. The proposal will capitalize on the rich heritage possessed by the region and utilize it to create a unique identity for the new capital. Sustainability and efficient management of resources will form another important pillar of this new capital. It will be supported by maintaining the clean and green character that the site currently demonstrates by strengthening these ideas in to the new capital master plan.

GOALS AND STRATEGIES

WORLD CLASS INFRASTRUCTURE

115 Km of Public Transport corridors by 2050
> 650 km of Road Network by 2050

- Strategies:
- Build state of art public transport both for Capital Region and Amaravati Capital city
 - Develop a highly efficient road network at par with international standards
 - Encourage high percentage of modal share using public transport
 - Plan for a long term 2050 horizon and reserve transit corridors where necessary
 - High speed Railway to have a station in the Amaravati Capital city
 - Develop a world class International Airport to serve the Capital Region
 - Capitalize on the opportunity to use National Waterway for trade
 - Plan strategically to allow easy transfer between different modes of transport



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JOBS & HOMES FOR ALL

2.5 Million Resident Population by 2050
1.5 Million Jobs by 2050

- Strategies:
- Promote high-value added agriculture and agro-based industries
 - Create opportunities for existing dwellers to upgrade skills
 - Introduce a mix of knowledge based high-tech industries to attract investments
 - Encourage home ownership to create a sense of identity for citizens
 - Provide sufficient affordable housing to cater to the needful
 - Strategize a slum free city through careful planning
 - Phase out industries strategically for long term sustained growth
 - Create a favourable policy framework to implement and support the Amaravati Capital city development



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GREEN AND CLEAN

> 20% area reserved for Green and Blue
25+ km Public River Waterfront

Strategies:

- Create a network of parks and greens by integrating the village ponds
- Ensure access to park for every citizen within easy walking distance
- Make productive use of natural features on the site without damaging them
- Reserve most of the waterfront along Krishna river for public use
- Mandate retaining the green network reserved in the Amaravati Capital city Plan
- Reserve high value agriculture land as no development zone wherever possible
- Utilize the natural features such as forest and hills to create a regional green network.
- Create an image of city sitting within the water and greens



QUALITY LIVING

Parks and Public Facilities within 5-10 minute
walking distance

Strategies:

- Ensure public transit is within easy walking distance for all
- Convenience of neighbourhood centre amenities within walking distance
- Safe environment with universal access for all ages
- Provide opportunities for learning and enhancing careers within the Amaravati Capital city and Region
- Provide excellent health care facilities at affordable costs within easy reach
- Ensure ample opportunities to live, work, learn and play
- Ensure ease of commute within 30 minutes from origin to destination with Amaravati Capital city



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EFFICIENT RESOURCE MANAGEMENT

Flood resistant City
Towards Net Zero Discharge

Strategies:

- Adopt efficient flood control techniques and protect most waterways in the city
- Promote “Reduce, Recycle and Reuse”
- Establish state of art waste management and disposal systems across the city
- Develop a smart grid in the city for efficient management of power and energy
- Encourage use of renewable energy to maximum extent possible
- Integrate the storm water drainage system with the existing canal and village tank network and utilize for flood management and recreation
- Encourage certification of projects using global standards such as IGBC and LEED



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IDENTITY AND HERITAGE

> 220km of Heritage and Tourism Network
using Roads, Metro and Waterways

Strategies:

- Preserve all historic and culturally important sites
- Promote culture and heritage attractions for locals and tourists alike
- Compliment adjacent cities, at the same time establish a unique identity
- Integrate the existing villages as a vital component of city development
- Development nodes within the city that reflect the culture of the State and region.
- Dedicate strategic locations that will allow people to come together and organize cultural activities
- Create a tourism circuit that links all the existing heritage features and new nodes created in the city.



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