URBAN DESIGN STRATEGY

• Agenda
• Introduction of Panellists
• Background
• Proposals
• Status
• Targeted Questions for Discussion
• Recommendations by Panel
Amaravati Urban Design Strategy

• The agenda is to agree a set of strategies that can help deliver bespoke and identifiable urban design solutions that help Amravati become one of the most prominent cities in the world.
  • Project Proposals and Status by CH2M: 10 Minutes
  • Panel Discussion and Recommendations: 40 Minutes
  • Questions from the audience: 10 Minutes
Create a sustainable and balanced development and achieve design excellence in public and private developments. The purpose is to build a high quality cohesive built environment that provides an excellent quality of life for its citizens.

**The Panel**

-Manosh De, Urban designer and master planner, CH2M
-Extensive experience in master planning and urban strategy projects to promote sustainable development

-Pedro Haberbosch, Partner and Architect, Fosters+Partners
-Co-leads the practice’s New York Studio and currently working on mixed use developments in Rio de Janeiro and Mexico City

-Jerald Morgan, Design Director, CH2M
-Experience of over 30 years, he is Design Director for Dubai expo 2020 and involved in the design of master plan and venues

-Guy Perry, Senior Advisor, McKinsey
-Architect & urban designer with focus on redefining standard for development & human wellbeing focused environments

-Dheeraj Patil, Founder Green Space Alliance
-Over 15 years of international experience in urban planning and urban design, leading design development of eco city masterplans
Background
Vision and Goals

• Vision for Capital City
  • Andhra Pradesh set to make the proposed capital city of Amaravati, a pioneering smart city in the country and a true “People’s Capital” developed as per the global standards
  • Master plan set the vision for Amaravati as “a city that aims to be world class and at par with the standards set forth by countries such as Singapore”
  • To be among the top 3 livable cities in the world

• Goals
  • Creating a city with world Class Infrastructure; high quality of living; jobs and homes for all; efficient resource management; green and clean; identity and heritage.
  • To develop, preserve and maintain unique character, aesthetic quality of Urban and Environmental of Amaravati city.
  • Develop a framework and implementation mechanism to enforce the guidelines at a city level.
<table>
<thead>
<tr>
<th>World class infrastructure</th>
<th>Quality living</th>
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<tbody>
<tr>
<td>115 km of public transport corridors by 2050</td>
<td>Parks and public facilities within 10 minute walking distance</td>
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<tr>
<td>&gt;600 km of road network by 2050</td>
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<th>Jobs and homes for all</th>
<th>Efficient resource management</th>
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<td>4-6 lakh population within 10 years</td>
<td>Flood resistant city</td>
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<td>3.50 Million Resident Population by 2050 and 1.5 Million Jobs by 2050</td>
<td>Towards net zero discharge</td>
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<th>Green and clean</th>
<th>Identity and heritage</th>
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<td>30 % area reserved for green and blue</td>
<td>Heritage and tourism network using roads, metro and waterways.</td>
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<td>20+ km public river waterfront</td>
<td><strong>NMT</strong>: Pedestrian and Cycle tracks connecting the Entire city.</td>
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<td><strong>Public Transport</strong>: 60% ridership by 2050</td>
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Proposed Master Plan for Amaravati

- Total area: 217 sqkms
- 3.5 million resident population
- 25 Existing Settlements
- 9 themed cities
- 22 km of riverfront
- 55 km length and 9.2 sqkm of Green and Blue
- 5 River Islands with 3000 acres
Theme Cities

**Legend**
- Electronics
- Finance
- Government
- Health
- Justice
- Knowledge
- Media
- Sports
- Tourism
- R1 Village planning zone
- U2 Road reserve zone

**Areas**
- SportsCity 1679 Ha
- GovernmentCity 1093 Ha
- FinanceCity 2091 Ha
- TourismCity 4716 Ha
- KnowledgeCity 3459 Ha
- HealthCity 2647 Ha
- MediaCity 2067 Ha
- JusticeCity 1339 Ha
- ElectronicsCity 2663 Ha

8 Kilometers
Where would there be urban design?

- Elements
- Landscape
- Hardscape
- Street furniture
- Signage
- Roads

- Syntax and spaces
- Landmark
- Nodes
- Example: Waterfront/Urban core

- Areas
- Government complex
- Sports City
Government Complex

- **Total area**
  - 1340 acres

- **Key features**
  - Legislative assembly
  - High court
  - State Secretariat
  - Government Housing
  - VIP Housing
  - Plaza spaces
Multi-Modal Integration

- Integration of Bus, BRT, Metro and rail terminals at appropriate locations
- Metro/BRT corridors connecting key passenger terminals
- Feeder services for Public transport corridors
- Safe and convenient NMT network along most of city road network
Road Cross Sections

• Sub-arterial Roads - 50 m ROW
Status of Works
Status of Works: Key projects

• Capital City
  • Streetscape guidelines are completed and form part of the tender package
  • Urban Designer has started the work on preparation of UD guidelines
  • Broad scope involves development of guidelines for the built form, open space guidelines, placemaking guidelines etc.

• Amaravati Government Complex
  • The Master Plan for the Govt complex defined a set UD guidelines
  • Key highlights- from based zoning, pedestrian oriented, placemaking, sustainability, façade guidelines etc.
Panel Discussion and Recommendations
Questions and Discussion

**Question**

- Should the approach to urban design in Amaravati be any different to the rest of the world?

**Discussion**

- What is the overall identity that the city should project
- What are the unique characteristics that would define the Government Complex, CBD Area, theme cities etc.
- How can we seamlessly integrate the existing settlements within the capital city

**Suggestions**

- Request panel for valuable suggestions
Questions and Discussion

Question

• What are the most important considerations trends/innovations for Amaravati to adopt now so that it can be counted amongst the most identifiable cities in the world?

Discussion

• Transportation: Driverless/autonomous cars/car parking/bike lanes
• Utilities: Utility network layout associated with ICT etc
• Environment and Resilience: approaches to the green and blue network
• Computing: Machine learning/AI
• Healthcare
• Education

Suggestions

• Request panel for valuable suggestions
Given the scale and a potential time for development, how do we maintain an identifiable urban core for the city?

- Identify the critical design elements:
  - Streetscapes
  - Public plazas/parks
  - Riverfront/waterfront
- Management of the construction impacts on the environment and quality

Request panel for valuable suggestions
Questions and Discussion

Question

• What delivery mechanism should be adopted to deliver the planned Urban design solutions in an aligned and cost-effective way?

Discussion

• Design tools – Integrated BIM/ GIS/ CDE
• Design Regulations, Codes and Guidelines and an assurance process
• Institutional framework/Policies/Governance issues
• Incorporating “design thinking” at all stages of implementation
• Training and skill development of staff

Suggestions

• Request panel for valuable suggestions
Recommendations
Thank You