

37TH INTERNATIONAL NO-DIG CONFERENCE AND EXHIBITION, FLORENCE



INDONESIA NEW STATE CAPITAL CITY

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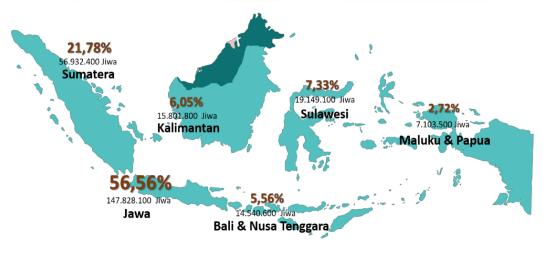
DIRECTOR GENERAL OF CONSTRUCTION DEVELOPMENT



MINISTRY OF PUBLIC WORKS AND HOUSING REPUBLIC OF INDONESIA

REASONS FOR RELOCATING THE NEW STATE CAPITAL CITY

Around 57% of Indonesia's population is concentrated in Java

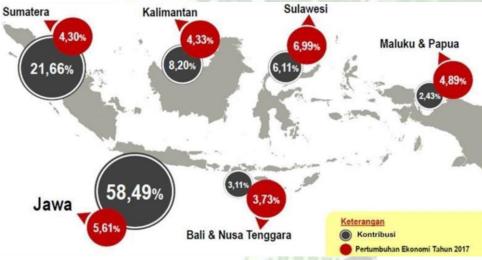


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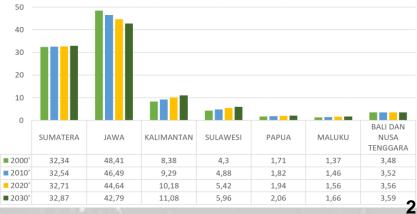
Water Supply Crisis in Java especially DKI Jakarta and East Java



Economic per-island contribution to national GDP



The Largest Land Conversion Is In Java Island



NEW STATE CAPITAL CITY:

Living With Nature (Forest City)

• Forest City concept, so that green space is at least 50% of the total area including: Recreational Park, Green Spaces, Zoo, Botanical Garden, and Sport Complex, which are integrated with existing landscapes such as hilly areas and watersheds, and topographic structure.

• Utilization of renewable and low carbon energy (Solar Energy, Gas, etc.) for Power and Gas Supply, Efficient Power Grid, Street and Building Lighting

- For energy efficiency and conservation, Green Building Design is required through the application of the Circular Water Management System, Efficient Lighting System and District Cooling System
- The city with integrated transport system, towards integrated rail-based, non-motorized mode (bicycle and pedestrian) public transportation



SMART AND INTELLIGENT CITY



- The use of smart technology and human-oriented applications
- International University, Research, and High-Tech Industries become one of the growth magnets
 - Application of "Intelligent City" concept
 - Implement an Integrated Information System and Intelligent Transport System
 - Use of the Internet-based Smart Water Management System (IoT)
 - Application of Smart Waste Management
 - Gas supply does not use LPG cylinders but instead uses underground gas networks

Using Smart Grid technology (Solar cell and wind) and electricity distribution using underground networks

NEW STATE CAPITAL CITY VISION APPROACH





1. REFLECTS THE NATION IDENTITY

The nation's identity will be applied philosophically in Urban Design from the pillars of nationhood, namely Pancasila, Bhinneka Tunggal Ika, NKRI and the 1945 Constitution.

National identity through design:

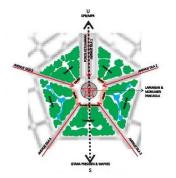
- Morphology and functions of the city
- Spaces for community activities that encourage the principle of mutual cooperation
- Functions and media in preserving the nation's history and culture (Indonesia Sentris: cultural spaces, national galleries, museums, theater buildings, and art parks)











2. GUARANTEEING SUSTAINABILITY

social – economic - environment

As Outcome of the Integration of Social, Economic and Environmental protection



- Minimize intervention in nature
- Integrate green and blue spaces
- Maintaining the existence of the Kalimantan Forest (City in the Forest);
- Increasing public and community spaces;
- Adopt new urbanism and green building / infrastructure;
- Quality of space that encourages creativity and productivity of the community.

3. CREATING A SMART, MODERN & INTERNATIONAL-STANDED CITY

IKN becomes a Compact City, relying on Information and Communication Technology to achieve the SDGs Goals



- Compact and inclusive arrangement of buildings and environment
- Integrated public transportation mode
- Utilizing information and communication technology to improve work productivity
- Collaboration between modern architecture and local wisdom
- Application of design, materials and modern technology, smart building, and the use of renewable energy
- Design that prioritizes the fulfillment of all Sustainable Development Goals (SDGs) targets as a reference for the development of Indonesian cities going forward

SMART METROPOLIS

NOT ONLY THE COMPLEX PALACE OF THE PRESIDENT AND GOVERNMENT OFFICES



- A quiet and expensive city, because it is only inhabited by Government employees, politicians, and diplomats (even a dead city)
- Returned to a slum city



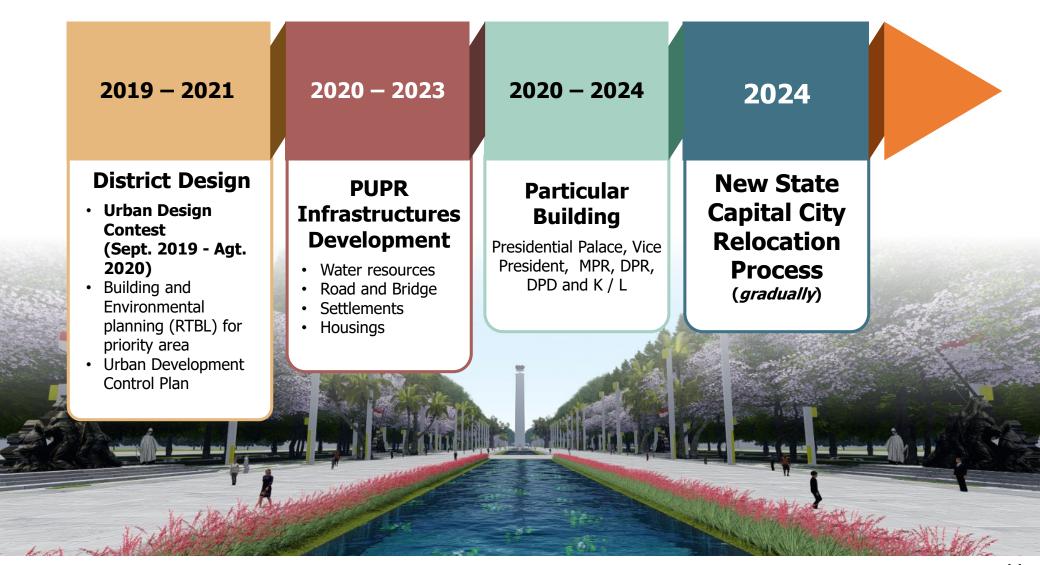


- A healthy, efficient, productive and happy city for its citizens
- Cities that are able to provide worldclass security, health and education services
- Cities that live with Integrated Public Spaces
- A city that is able to attract great national & international talents
- Modern business and innovation center (Silicon Valley)



IMPLEMENTATION SCHEDULE

INFRASTRUCTURES & NEW STATE CAPITAL CITY'S PARTICULAR BUILDINGS DEVELOPMENT 2019-2024



INFRASTRUCTURE NEEDS FOR NEW STATE CAPITAL CITY (IKN)



Raw Water Needs:

Assuming a population of 2 million The need for water consumption is 300 liters / day / person Water discharge requirements are 6.9 m3 / second

Flood Control:

Can accommodate the flow of water until the flood plan at 100-year intervals

Drainage

Can flow flood discharge due to rain 3-4 hours maximum with a 25 year return period without a puddle

Energy Infrastructure

Hydropower (PLTA) and Gas Development

ROADS & BRIDGES

National Toll Road:

57 km Ring Road Toll surrounds the city 4,000 Ha



Pedestrian Facilities: 86 km KIPP, 671 km K-IKN, 198 km KP-IKN

Bike Lane:

70 km KIPP, 200 km K-IKN, 198 km KP-IKN

Rail:

22 km K-IKN, 50 km KP-IKN



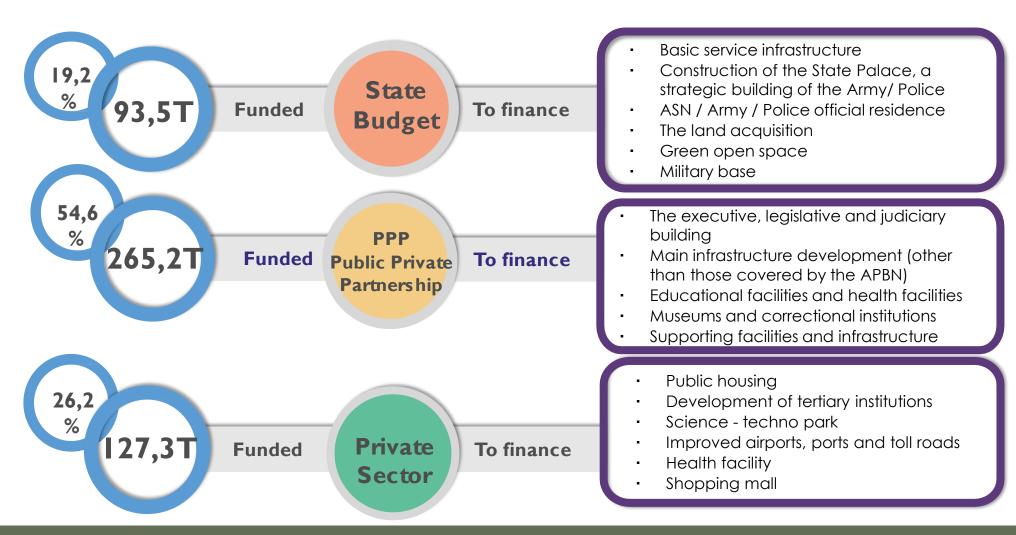
HOUSINGS

Number of Houses / Households:

307,879 residential units for 1,500,000 people

FINANCING SCHEME

cooperation with business entities and private sector is expected to be the main source of financing



Total

THANK YOU

TERIMA KASIH