## "Quality growth" is one of the most important principles in Japan's ODA policies.

## We believe that growth should be

**"SUSTAINABLE**": The growth is *sustainable* over generations in terms of consideration to, among other aspects, harmony with the environment, sustained socioeconomic growth, and addressing global warming.

"INCLUSIVE": The fruits of growth are shared within the society as a whole, leaving no one behind.

**"RESILIENT"**: The growth is *resilient*, able to withstand and recover from economic crises, natural disasters, and other shocks.



# "Quality infrastructure" leads to "Quality growth"

Asia faces huge investment gap: US \$ 15 trillion  $\sim$ 2040 "Quality infrastructure" forms the foundations of "Quality growth."

## G20 Osaka Summit (June, 2019) G20 Principles for Quality Infrastructure Investment

"Quality Infrastructure" is cost-effective in the long run for sustainable, inclusive and resilient growth.

①Maximizing the positive impact of infrastructure to Achieve Sustainable Growth and Development (job creation, transfer of expertise, enhancing connectivity etc.)

**(2)**Economic Efficiency in View of Life-Cycle Cost (attaining value for money etc.)

3 Environmental Considerations

(4) Resilience against Natural Disasters and Other Risks

(5)Social Considerations (Open access to infrastructure services, safety, respect gender and socially vulnerable people etc.)

6 Strengthening Infrastructure Governance (Openness and transparency of procurement, debt sustainability etc.)

# **Realizing Green Connectivity through Quality Infrastructure**

### $\sim$ Bottle necks of growth in the Mekong region $\sim$



Needed to use ferry boats to cross the river
Took 7 hours to cross during the busy time
Traffic of about 5,000 vehicles per day



Ferry boats were the only means to cross the river

### The construction of Neak Loeung Bridge

Japan extended assistance to construct:

- The Main Bridge 640m
- The Approach Bridge 1,575m
- The Approach Road 3,245m
- Requires only 5 minutes to cross

• Traffic doubled (12,000 per day) Neak Loeung Bridge 11.94 billion yen (Grant) From 2010 to 2015





### The construction of Bohol Airport

**©JICA** 

- Built with the concept of "Ecological-Airport"
- Installed solar power generation system (covers 30% of power during the daytime),
- Introduced air-conditioning system employing energy efficient technology
- Setting energy saving lightings in place using LED.

Bohol Airport 15.1 billion yen (Loan) From 2013 to 2018

# **Realizing digital Connectivity through Quality Infrastructure**

## The Development of Thilawa in Myanmar



# **Realizing digital Connectivity through Quality Infrastructure**

## The Development of Sihanoukville Port in Cambodia



## Japan-ASEAN Connectivity Initiative

- Japan has supported ASEAN's efforts to strengthen connectivity in order to narrow the gaps in the ASEAN region and further facilitate the integration of ASEAN community based on the Master Plan on ASEAN Connectivity (MPAC) 2025 and Ayeyawady-Chao Phraya-Mekong Economic Cooperation Strategy (ACMECS) Masterplan. Japan will continue to provide support in this field.
- Japan has announced its decision to support strengthening ASEAN connectivity both in hard and soft ware with focus on the ongoing 2 trillion yen worth of land, sea, and air corridor connectivity infrastructure projects as below, together with capacity building projects for 1,000 individuals over the next three years.

## <u>"Land Corridor"</u>

#### (Thailand) (Cambodia) Mass Transit System Project National Road No. 5 Improvement Project in Bangkok (RED LINE) (Myanmar) Bago River Bridge Construction Project East-West Economic Corridor Improvement Project Mandalay East-West Economic Corridor Highway Development Myanmar Project (Phase 2)(New Bago-Kyaikto Highway Section) Naypyidaw Infrastructure Development Project in Thilawa Area Phase 2 Vientiane Yangon Outer Ring Road Construction Project Yangon-Mandalay Railway Improvement Project Phase 1,2 Yangon Circular Railway Line Upgrading Project Yangon Urban Mass Rapid Transit Construction Project Dawei (Viet Nam) Bangkok North-South Expressway Construction Project Hanoi City Urban Railway Construction Project • Ho Chi Minh City Urban Railway Construction Project North - South Expressway Construction Project Public Transport Infrastructure Improvement Project in Binh Duong Province (Indonesia) 0 Construction of Jakarta MRT South-North Line

- and East-West Line
- ·Java North Line Upgrading Project

#### (The Philippines)

- •Metro Rail Transit Line 3 (MRT-3)
- **Rehabilitation Project**
- Metro Manila Subway Project
- North South Commuter Railway
- Project
- · Road Network Development Project in Conflict Affected Areas in Mindanao

East-West Corridor The road connecting Da Nang, Viet Nam and Mawlamyaing, Myanmar Southern Corridor The road connecting Ho Chi Minh, Viet Nam and Dawei, Myanmar Hanoi Laos Vietnam Da Nang MawlamyaingThailand Subic Cambodia Phnom Pen Ho Ghi Minh Philippir Sihanoukville Por Kuala Lumpur Malaysia Singapore Indonesia Jakarta Surabaya **Palembang Port** 

<u>\*The following connectivity projects include projects</u> <u>under consideration.</u>

### <u>"Sea and Air corridor"</u>

#### (Cambodia)

- ·Sihanoukville Port New Container
- Terminal
- Development Project
- The Project for Port EDI for Port Modernization

### (Myanmar)

- The Project for the Development of Mandalay Port
- Dawei Deep Sea Port Project
- Infrastructure Development Project in Thilawa Area Phase 1
- Hanthawaddy New International Airport
   Development Project
- The Project for the Improvement of Aircraft Surveillance System

#### (Indonesia)

 Patimban Port Development Project
 Programme for the Development for Fisheries Sector in Outer Islands