

## Support by City of Yokohama towards Cebu City, the Philippines

The City of Yokohama implements international technical cooperation through public and private collaboration under the Yokohama Partnership of Resource and Technologies (Y-Port Project) to provide sustainable urban solutions to the cities in emerging countries and to support overseas business expansion of private firms, by utilizing urban development experiences of the city and technologies and know-hows of private firms within the city.

The City of Yokohama has concluded a Memorandum of Understanding on technical cooperation for sustainable urban development with Cebu City. The City of Yokohama has provided support in JICA's long-term development plan of Metro Cebu, and further contributed to the formulation of roadmap which aims to realize its urban development vision.

Based on these activities, private firms within the City of Yokohama entered into infrastructure business in Metro Cebu, where they contributed in improving the local urban environment by promoting recycling of waste plastics, delivering sludge dehydrator, etc.

Furthermore, by utilizing the outcome of these Y-PORT Projects, the City of Yokohama proposed a business plan to JICA. Based on this proposal, JICA is implementing a grant aid project, a preparatory survey for "the Septage Management Project for Metro Cebu Water District Service Area".



Perspective image of Septage Management Facility  
(Source: JICA "Report on Preparatory Survey for the Septage Management Project for Metro Cebu Water District Service Area (Initial publicized version) (2019)" )

## Support by Osaka City towards Yangon, Myanmar

Osaka City pursues overseas activities and has concluded partnerships with 14 cities centering on emerging countries in Asia through the Business Partner Cities (BPC) program, which aim to promote the mutual development through economic exchanges.

As part of its activity, Osaka City concluded a Memorandum of Agreement with Yangon City on technical cooperation in urban infrastructure development including "water supply and sewerage", "waste treatment", "urban planning", "urban development", "development of low-carbon city", etc. Various initiatives are being implemented by Osaka City, including technical cooperation projects through the collaboration among public and private sectors.

Especially in the field of water supply and sewerage, by utilizing its comprehensive know-how accumulated over many years and collaborating with private firms with advanced technologies, Osaka City provides technical cooperation and supports on the solution of urban issues in Yangon City such as human resource development.



Field survey on sewerage system in Yangon City



Survey on water intake amount from wells and other water sources

## Support by City of Kitakyushu towards Hai Phong, Vietnam

The City of Kitakyushu has established the Asian Center for Low Carbon Society that promotes environmental improvement and low carbon society in Asian countries by utilizing its experience and know-how in overcoming urban pollution. The center provides comprehensive and detailed support according to the needs of each city.

The City of Kitakyushu concluded a Sister City Agreement with Hai Phong City and provided support in developing the "Hai Phong Green Growth Promotion Plan" which serves as the overall master plan of urban environmental development of the Hai Phong City.

The "Hai Phong Green Growth Promotion Plan" consists of areas such as low carbon city plan, waste, energy, water supply, sewerage, and transport. Currently, 15 pilot projects are underway, including composting of household wastes, improvement of energy efficiency in cement plants and delivery of advanced water treatment technology (U-BCF) developed by the City of Kitakyushu.



U-BCF\* being constructed at An Duong Water Treatment Plant (Hai Phong City)

\*U-BCF: Advanced water treatment technology developed by the City of Kitakyushu



Instructing operation and maintenance of the sewer system

## Support by Asahikawa City towards Ulaanbaatar, Mongolia

Asahikawa City has concluded a Memorandum of Understanding on technical cooperation related to urban development with Ulaanbaatar City. The city will provide support in the implementation of technical cooperation projects through PPP and on urban development technology in cold climate.

In the technical cooperation, progress in technology transfer and human resource development related to urban infrastructure projects in cold climate were made through approaches such as: technical exchange by mutual dispatch/exchange of experts from both cities; acceptance of technical trainees to Asahikawa City; and long-term dispatch of experts.

By collaborating with Asahikawa Construction Association, building contractors and landscape contractors within the city, various projects are being carried out, including housings, landscaping technology and road pavement for cold climates.



Technology Exchange among government employees of both cities

# Resolving Urban Issues in Emerging Asian Countries through Cooperation between Local Governments



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# Introduction

While emerging Asian countries are making remarkable progress, they are now facing various urban issues due to rapid urbanization and concentration of population in urban areas, and there are growing needs to resolve these issues.

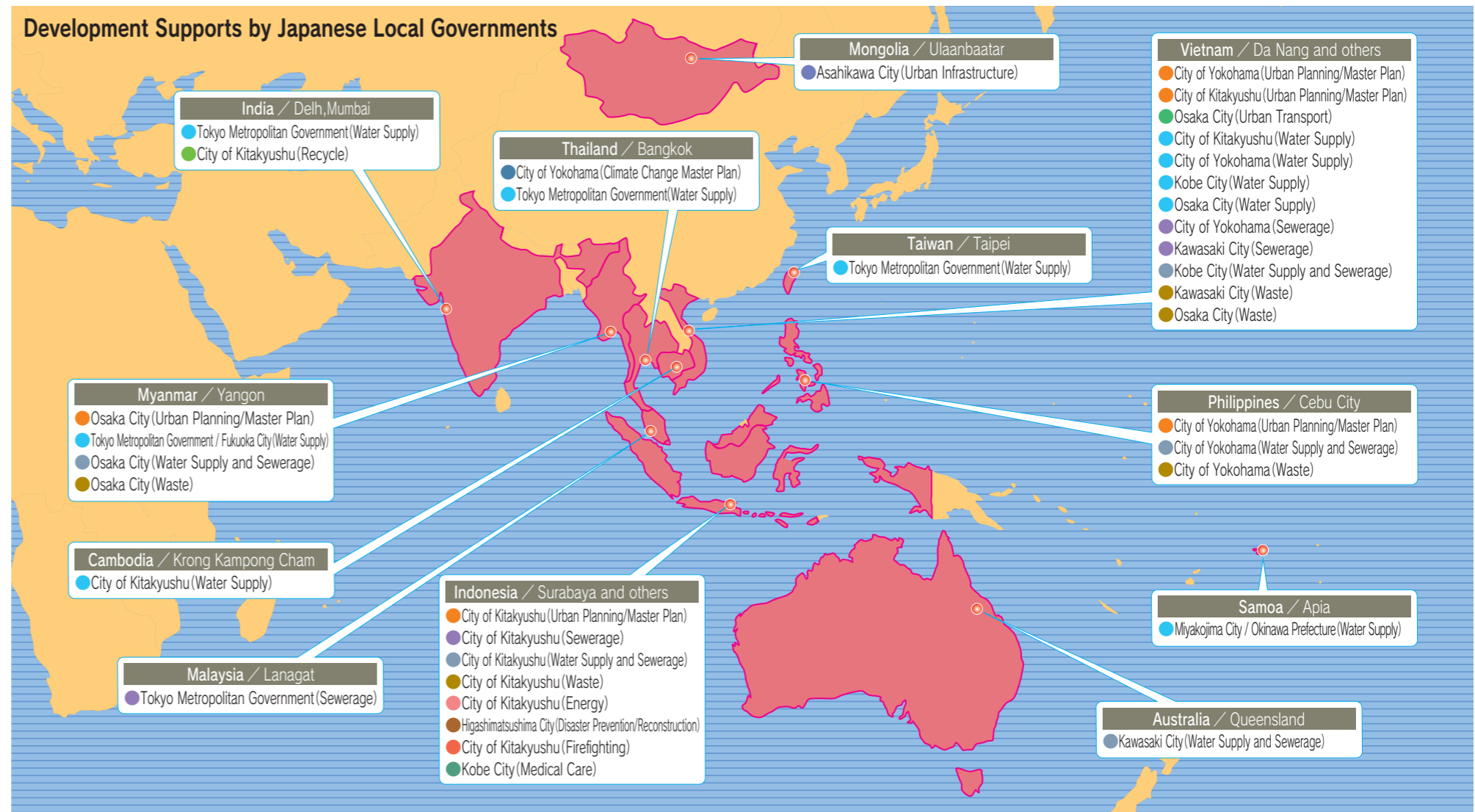
During the high economic growth period in the latter half of 20th century, Japan confronted various urban issues such as traffic congestion, housing shortage, environmental pollution and insufficiency of water supply, sewerage system and waste management.

As Japanese local governments have the knowledge and experience to overcome those issues, we believe that the local authorities in emerging Asian countries facing similar problems will be able to conquer those difficulties by collaborating with them. Under such background, the Japanese national government supports the overseas expansion of activities of the local governments.

This brochure was edited to introduce the overseas accomplishments and practices of Japanese local governments to the local authorities in emerging Asian countries.

We really hope that the mutual cooperation between local governments of both Japan and Asian countries will be enhanced towards overcoming urban issues, developing human resource and achieving sustainable development.

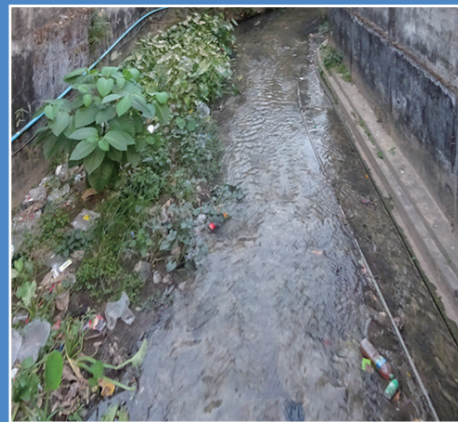
## Development Supports by Japanese Local Governments



As provided in the map above and the list on the right, Japanese local governments have extensive experience in collaborating to resolve urban issues of the emerging Asian countries, such as:

Urban planning master plan; Urban transport; Water supply and sewerage; Waste and recycle; Energy; Disaster prevention/reconstruction; Firefighting; Medical care; etc.

These efforts taken by the Japanese local governments have been implemented based on the interactions and cooperation made between the local authorities in both countries. Various support programs by Japanese public organizations such as Japan International Cooperation Agency (JICA) have also been utilized where necessary.



Field of Support	Country/City		Local Governments in Japan
Urban Planning Master Plan	Philippines	Cebu City	City of Yokohama
	Vietnam	Da Nang	City of Yokohama
		Hai Phong	City of Kitakyushu
	Myanmar	Yangon	Osaka City
Climate Change Master Plan	Indonesia	Surabaya	City of Kitakyushu
	Thailand	Bangkok	City of Yokohama
Urban Infrastructure	Mongolia	Ulaanbaatar	Asahikawa City
Urban Transport	Vietnam	Ho Chi Minh	Osaka City
	Thailand	Bangkok	Tokyo Metropolitan Government
Water Supply	Vietnam	Hai Phong	City of Kitakyushu
		Hue and other cities	City of Yokohama
		Long An	Kobe City
	Myanmar	Ho Chi Minh	Osaka City
		Yangon	Tokyo Metropolitan Government / Fukuoka City
	Cambodia	Krong Kampong Cham	City of Kitakyushu
	Samoa	Apia	Miyakojima City / Okinawa Prefecture
	India	Delhi	Tokyo Metropolitan Government
	Taiwan	Taipei	Tokyo Metropolitan Government
	Sewerage	Vietnam	Hanoi
Da Nang			Kawasaki City
Malaysia		Lanagat	Tokyo Metropolitan Government
Indonesia	Jakarta	City of Kitakyushu	
Water Supply and Sewerage	Vietnam	Phu Quoc	Kobe City
	Myanmar	Yangon	Osaka City
	Philippines	Cebu City	City of Yokohama
	Indonesia	Surabaya	City of Kitakyushu
	Australia	Queensland	Kawasaki City
Waste	Vietnam	Da Nang	Kawasaki City
		Ho Chi Minh	Osaka City
	Myanmar	Yangon	Osaka City
	Philippines	Cebu City	City of Yokohama
Recycle	Indonesia	Surabaya	City of Kitakyushu
	India	Mumbai	City of Kitakyushu
Energy	Indonesia	Surabaya	City of Kitakyushu
Disaster Prevention / Reconstruction	Indonesia	Banda Aceh	Higashimatsushima City
Firefighting	Indonesia	Balikpapan	City of Kitakyushu
Medical Care	Indonesia	Jakarta	Kobe City