Supporting utility	Bureau of Waterworks Tokyo Metropolitan Government		Case No.		7	
About recipient	it recipient utility		Data from		2012-2017	
Recipient utility	Yangon City Development Committee, Myanmar (YCDC)					
Cooperation year	2013-					
Service area	Yangon City					
Service population	City area: 1.92 ¹ Metropolitan area: 1.92 ¹	Service coverage		City area: 37% ¹ Metropolitan area: 24% ¹		
Water distribution	636,440 m³/d	Maximum water distribution		Unknown		
Water consumption per capita	Unknown	NRW		66% ¹		
Water source	Storage water • Ground water	Pipe length		71.73 km		
No. of WTP ²	6 ¹	No. of Employees		2,196 (as of June 2012)		
Water treatment	Coagulation + Sedimentation + Rapid filtration + Aeration + Micro strainer ³ *water not treated for 2/3					
Water rates Public: 4.4 JPN /m³ General: 7.0 JPN /m³ Commercial: 8.8 JPN /m³ (Calculated with 1 MMK=0.08 JPY)						
About technical cooperation to YCDC						
Background	 December 2012 and January 2014: HIDA training in Japan September 2013: Signed a Memorandum of Understanding for technical cooperation October 2013: Held a seminar 					

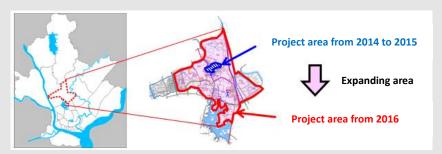
According to a cooperation preparatory report of JICA
 WTP = Water Treatment Plant
 According to a preparatory report for Yangon City Development Program Formation

Cooperative scheme	 (YCDC's procurement agency) Supporting organization: Japan Consortium, LLC. (Tokyo Suido Services Co., Ltd., Toyo Engineering Corporation) Deterioration of water quality in raw water rivers Water quality analysis Reduction of non-revenue water 	
Recipient utilities'		
challenges	Management of water distribution networkFinancial management and human resources development	

<Non-revenue water reduction project: grant aid with project management right type>

- Implementation of non-revenue water reduction (infrastructure development) project from 2016 (scheduled to be completed in 2022)
- Project contents

 Leakage survey, replacement and repair of water pipes, replacement and installation of meters, etc.
- Target area
 Mayangon District in Yangon City (expanding the area covered by the above project)
- Project cost Approximately 1.8 billion JPY (ODA funds)



Technical cooperation provided

[References: status of other cooperation projects] <Technical cooperation project>

- From 2014 to 2018, a JICA's technical cooperation project was implemented to improve the service management capacity of YCDC staff
- Implementation details
 - Strengthening of water supply management capacity
 - Strengthening of non-revenue water reduction capacity
 - Strengthening of water quality management capacity

Non-revenue water reduction project: Grassroots grant aid>

- A non-revenue water reduction project was implemented from 2014 to 2015.
- Project contents

Leakage survey, replacement and repair of water pipes, replacement and installation of meters, etc.

- Target area
 - Part of Mayangon District in Yangon City
- Project cost
 - Approx. 50 million JPY
- Results
 - Halved the non-revenue water rate from 77% to 32%
 - Realized 24/7 water supply

Following the non-revenue water reduction (infrastructure development) project from 2016, the below project is scheduled to be implemented for the management of water facilities.

<Water facility maintenance and management project>

Future plans and

prospects

■ Project Description

Sharing technical knowledge through consultations and training on reducing non-revenue water (*Yangon City will conduct daily maintenance and management of water distribution pipes)

■ Implementation period

At least 5 years (the project will be implemented sequentially, starting from the areas where infrastructure development is completed. The project is scheduled to start in FY 2018)

Project costFunds of Yangon City (amount to be determined)



←Pipe replacement in Yangon City





←Water pipes in Yangon City (Installations not well organized



←Utilization of Japanese products (leakage detector)