

Name of Organization	Yokohama Waterworks Bureau, City of Yokohama
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Name of Activity	Activities based on Memorandum of Understanding between Yokohama Waterworks Bureau and Thua Thien Hue Water Supply Joint Stock Company
Implementation Period	July 2017 to December 2019
Main Organizer	Yokohama Waterworks Bureau
Outline and Objectives	<p>Based on 15 years' cooperative relationship with Thua Thien Hue Water Supply Joint Stock Company (HueWACO), Yokohama Waterworks Bureau (YWWB) newly concluded 2 parties' MOU with HueWACO in July, 2017. Based on this MOU, YWWB is working on technical cooperation such as the improvement of water treatment plant and the program development of training courses as well as supporting the business operation of Yokohama Water Business Association (YWBA)* members in Vietnam with the cooperation of HueWACO.</p> <p>*Association of regional companies established in 2011, aiming to promote the overseas business operation of water supply and sewerage. Registered by 166 companies as of March, 2018.</p> <p>1. Type of activities:</p> <p>(1) Staff dispatch (for research, discussion, technology transfer and seminars)</p> <ul style="list-style-type: none"> - Staff dispatch is planned in FY 2018 to carry out technical cooperation in the field of water supply/distribution, water purification/quality and facility management. <p>(2) Trainee acceptance (for training, observation and discussion)</p> <ul style="list-style-type: none"> - Two of HueWACO's management staffs including Deputy General Director visited Yokohama during March 12th to 18th, 2018. - Discussed the plans of cooperation activities based on MOU, and established an action plan - Carried out the observation of a pipeline training facility of YWWB and training on human resource development <p>(3) Business support</p> <ul style="list-style-type: none"> - YWWB, YWBA and HueWACO co-organized "Seminar on Water Business Promotion" in Hue city, Vietnam. In the seminar, 6 member companies of YWBA delivered presentations and exhibited their technologies, and there were 165 participants from 58 organizations in Vietnam, mainly including water companies. <p>2. Fields:</p> <ul style="list-style-type: none"> - Distribution pipe network development - Countermeasure for non-revenue water - Improvement of purification method - SCADA system - Data management

Target (Cooperator) Countries	Thua Thien Hue Water Supply Joint Stock Company (HueWACO), etc., Viet Nam
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Advice on the construction of training yard

Name of Organization	Yokohama Waterworks Bureau, City of Yokohama
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Name of Activity	JICA Knowledge Co-creation program "African Region Urban Waterworks Engineering"
Implementation Period	November 6 to December 8, 2017
Main Organizer	JICA, Yokohama Water Co.,Ltd., Yokohama Waterworks Bureau (YWWB)
Outline and Objectives	<p>The 4th Tokyo International Conference on African Development (TICAD IV) held in Yokohama in May 2008, marked the start of the JICA-YWWB knowledge co-creation program for waterworks professionals from African countries, and this program contributes to improving waterworks in Africa.</p> <p>By the end of 2016, YWWB implemented 10 courses and accepted 108 participants from 28 countries in Africa. In 2017, YWWB accepted 10 participants in the program.</p> <p>In this program, participants learned the history of water supply, the institution and mechanism of water purification plant in Japan and YWWB's activities such as non-revenue water reduction. In addition, they made action plans to improve their situations by comparing it with YWWB's operation.</p> <p>Contents of specific program in 2017:</p> <ul style="list-style-type: none"> - Observation of water sources and water facilities such as water purification plants and lecture of water treatment and water quality management - Introduction of activities in YWWB such as Water Safety Plan, asset management, etc. - Lecture of NRW reduction and practice of leakage detection works in training yard - Observation of Expansion history of Yokohama in Waterworks commemoration hall - Lecture of mapping system, distribution management and water meter management - Observation of pipe installation site and lecture of construction management - Exchange Program with Japanese pupils (on "Water Class" at a primary school) - Management plan, meter reading, billing collection and customer service etc.
Target (Cooperator) Countries	Eritrea (1), Kenya (1), Malawi (2), Nigeria (2), Rwanda (1), Tanzania (1), Uganda (1), Zambia (1)



Water Meter Management in Water Meter Test Laboratory

Name of Organization	Yokohama Waterworks Bureau, City of Yokohama
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Name of Activity	Short-term dispatch of YWWB staff to Malawi (JICA Volunteer Program)
Implementation Period	September 18, 2017 to October 28, 2017 (41 days)
Main Organizer	JICA, Yokohama Waterworks Bureau (YWWB)
Outline and Objectives	<p>Based on the agreement of Comprehensive Partnerships signed between JICA and City of Yokohama in October 2011, YWWB dispatched its staffs to African countries under "JICA short-term volunteers dispatching program" to support water utilities of Africa in solving issues on waterworks.</p> <p>The first dispatch were in 2013 to ZAWA (Zanzibar Water Authority) in Tanzania, and since 2014 we have been dispatching our staffs to BWB (Blantyre Water Board) in Malawi.</p> <p>By the end of 2016, total 9 of our staffs were dispatched, and in 2017, 4 of our staffs were dispatched.</p> <p>Type of Program: Dispatch of staff as JICA Volunteers</p> <p>Specific Activities in 2017: We selected "Chiwembe Housing DMA" as a model area. For technical field, we instructed NRW reduction methods (e.g. DMA creation, Minimum Night Flow Measurement, Step test, leakage detection) and drawing management of pipeline. For revenue field, we implemented the customer satisfaction survey in same model area and grasped the needs of customers. In addition, we hold the workshop for meter readers and revenue supervisors and grasped the issue of billing.</p>
Target (Cooperator) Countries	Blantyre Water Board (BWB), Malawi



Meter accuracy test in the field



Workshop for revenue section