

Name of Organization	<b>Waterworks Bureau, City of Sapporo</b>
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Name of Activity	JICA Knowledge Co-Creation Program "Comprehensive Engineering on Water Supply Systems : Practical Training for Water Supply System(B)"
Implementation Period	June 19 - Aug 9, 2024
Main Organizer	JICA Hokkaido, Sapporo Waterworks Bureau, Sendai City Waterworks Bureau, etc.
Outline and Objectives	<p>This course aims to develop engineers who can play a leading role in the operation of water supply facilities or water supply business in order to solve the problems they are facing in their water supply business.</p> <p>It is designed for mid-career waterworks engineers from developing countries, and includes lectures on all aspects of waterworks technology, site visits, and practical training over a period of about two months.</p> <p>By the end of FY2024, the program had been held 32 times and 351 trainees had been accepted, including 18 times for the Cold Region Waterworks Technology Course, which ran until FY2012.</p> <p>【Main programs of this training course】</p> <ul style="list-style-type: none"> <li>•Waterworks Planning</li> <li>•Operation and Management of WPP</li> <li>•Jar Test</li> <li>•Water Quality Management</li> <li>•Distribution Pipe Installation Plan</li> <li>•Leak Prevention</li> <li>•Water Demand Forecasting</li> <li>•Water Charge System</li> <li>•Discussion</li> <li>•WPP Field Trip</li> <li>•Q&amp;A session for training materials</li> <li>•Guidance on making action plan, etc.</li> </ul>
Target (Cooperator) Countries	Nepal, Fiji, India, Malawi, Kazakhstan, Tajikistan, Sudan (7 trainees total, one from each country)

Group photo at the opening ceremony



Name of Organization	<b>Waterworks Bureau, City of Sapporo</b>
Name of Activity	JICA Partnership Program: Project to systematize water supply and Distribution system Management in Pokhara, Nepal
Implementation Period	Feb 2022 - Jan 2025
Main Organizer	Sapporo Waterworks Bureau, JICA Hokkaido, Sapporo water service association, etc.
Outline and Objectives	<p><b>【Outline】</b>  The project aims to train Nepalese engineers and enable them to systematically perform leakage response and water quality management tasks in a model district in Pokhara, Nepal.  In the first half of the three-year project, online training sessions and discussions were conducted using video conferencing tools. In the latter half, personnel traveled between the two countries to conduct practical training and study visits.</p> <p><b>【Objectives】</b>  The necessary tasks for maintaining and managing the quality and quantity of water supply are carried out systematically and continuously.</p> <p><b>【Activities in FY2024】</b>  • On-site training in Sapporo  • On-site training in Pokhara  • Results Discussion Session and closing session in Pokhara</p>
Target (Cooperator) Countries	Nepal (Nepal Water Supply Corporation)
Group photo at the closing session	
	

Name of Organization	<b>Bureau of Waterworks, Tokyo Metropolitan Government</b>
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Name of Activity	The 17th Asian Waterworks Utilities Network of Human Resources Development (A1-HRD)
Implementation Period	Wednesday October 30 to Thursday October 31, 2024
Main Organizer	The secretariat is the Bureau of Waterworks, TMG The host for the 17th meeting : K-water Academy
Outline and Objectives	<p><b>【Background】</b> Aimed at cities in Asia, this network was launched in 2008 based on a proposal by the Bureau of Waterworks, TMG.</p> <p><b>【Purpose】</b> To contribute to the improvement of water supply services throughout Asia by exchanging information about knowledge and know-how relating to human resource development among water utilities in Asia.</p> <p><b>【Main Activities】</b></p> <ul style="list-style-type: none"> <li>• Annual meeting on human resource development which includes presentation and Q&amp;A session, sharing of ideas, open discussion and technical site visits. (The host country for the meeting is rotated among members.)</li> <li>• Information dissemination of meeting results through the website and newsletters.</li> <li>• The 17th meeting in 2024 was hosted by K-water Academy at the Songsan Global Education Center on October 30, featuring presentations and discussions. On October 31, visits to AI-based water purification facilities were conducted.</li> </ul>
Subject Countries/Utilities	<p>Korea : Seoul Water, K-water Academy (Songsan Center)</p> <p>Taiwan : Taiwan Water Corporation (TWC), Taipei Water Department (TWD)</p> <p>Thailand : Metropolitan Waterworks Authority (MWA)</p> <p>Bangladesh : Dhaka Water Supply and Sewerage Authority (DWASA)</p> <p>Japan : Bureau of Waterworks, Tokyo Metropolitan Government</p>

Photos





Name of Organization	<b>Bureau of Waterworks, Tokyo Metropolitan Government</b>
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Name of Activity	JICA Knowledge Co-Creation Program: Non-Revenue Water Management (Leakage Control) B
Implementation Period	Tuesday 7 November to Wednesday 20 November 2024
Main Organizer	JICA
Outline and Objectives	<p>With the aim of acquiring and improving knowledge and skills related to non-revenue water management with a focus on leakage prevention measures, we took part in the training to 7 trainee waterworks engineers from developing countries.</p> <p>Tokyo Waterworks Bureau has provided lectures on organizaing issues in the trainees' home countries and our non-revenue measures, exchanging and matching event with Japanese Private Company etc., and provided consultation on the trainees' action plans.</p>
Target (Cooperator) Countries	Timor-leste, Kiribati, Kenya, South Africa, Uganda, Zambia, Jordan

Photos



Name of Organization	<b>Yokohama Waterworks Bureau, City of Yokohama</b>
Name of Activity	JICA Knowledge Co-creation program "African Region Urban Waterworks Engineering"
Implementation Period	October 21st to November 15th, 2024
Main Organizer	JICA, Yokohama Water Co., Ltd., Yokohama Waterworks Bureau (YWWB)
Outline and Objectives	<p>After the 4th Tokyo International Conference on African Development (TICAD IV), which took place in Yokohama in May 2008, Yokohama Waterworks Bureau (YWWB) contracted with JICA to implement a training course called "Knowledge Co-creation Program" for waterworks professionals from African countries. As of the end of JFY 2024, YWWB has implemented this one-month-course 16 times and accepted 159 participants from 32 countries in Africa, excluding two online-only training sessions.</p> <p>In Africa, many countries still have problems with water supply. Many of the African countries participating in this course are confronted with the challenges of high NRW rate ranging from 30 to 50% due to water leakage, illegal connection etc.</p> <p>YWWB offered a variety of lectures and practices in technical fields such as: water purification and quality management, distribution management, water supply planning and O&amp;M, also in the administrative fields like water tariffs, customer services and financial planning. During this training course, all the participants made action plans to solve their own issues based on what they learned in the lectures and practices, and brought them back to their countries to make a real difference on the ground.</p> <p><b>Contents of training program in JFY 2024:</b></p> <p>During their approximately one-month training in Japan, the participants learned about the water supply business in general, including water purification and distribution management, as well as water fees management and customer management.</p>
Target (Cooperator) Countries	In 2024, YWWB accepted participants from 6 countries: Cote d'Ivoire, Kenya, Malawi, Nigeria, Sudan, Tanzania
Photos	<div>  <p>Drawing Management Lecture</p> </div> <div>  <p>Meter Inspection</p> </div>

Name of Organization	<b>Yokohama Waterworks Bureau, City of Yokohama</b>
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Name of Activity	JICA Technical Cooperation Project "The Project for Strengthening the Capacity of Non-Revenue Water Reduction for Lilongwe Water Board (LiSCaP)" in Malawi
Implementation Period	June 2019 to December 2024
Main Organizer	JICA, Kyowa Engineering Consultants Co., Ltd., Yokohama Water Co., Ltd., Yokohama Waterworks Bureau (YWWB)
Outline and Objectives	<p>Yokohama Waterworks Bureau (YWWB) had supported the JICA Technical Cooperation Project "The Project for Strengthening the Capacity of Non-Revenue Water Reduction for Lilongwe Water Board (LiSCaP)" from June 2019 to December 2024, and dispatched staff to Lilongwe, the capital city of Malawi.</p> <p>YWWB also collaborated with Kyowa Engineering Consultants Co., Ltd. and Yokohama Water Co., Ltd., members of the Yokohama Water Business Association. This "Team Yokohama" had worked on improving water supply business by supporting Lilongwe Water Board (LWB) for their strategic planning, methods and knowledge sharing for reducing non-revenue water (NRW) due to leakage, illegal connection, etc.</p> <p><b>Contents of technical cooperation in JFY 2024:</b></p> <p>YWWB dispatched a long-term expert from 2019 to 2022. In 2024, same as in 2023, YWWB dispatched short-term experts in July and November to support the project.</p> <p>In June, a workshop was held for five water supply utilities nationwide in Malawi in order to expand the project results to other utilities and YWWB</p>
Target (Cooperator) Countries	Lilongwe Water Board (LWB), Malawi

Photos



Field Activity

Name of Organization	<b>Yokohama Waterworks Bureau, City of Yokohama</b>
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Name of Activity	Technical Exchanges based on Memorandum of Understanding between Water and Sanitation Agency of Faisalabad in Pakistan and Yokohama Waterworks Bureau
Implementation Period	From October 2019
Main Organizer	Yokohama Waterworks Bureau
Outline and Objectives	<p>Yokohama Waterworks Bureau (YWWB) had supported a JICA Technical Cooperation for Development Planning "The Project for Water Supply, Sewerage and Drainage Master Plan of Faisalabad" through Yokohama Water Co., Ltd. (YWC) (July 2016 - June 2019). During this project, YWWB received a request from the Managing Director of Water and Sanitation Agency of Faisalabad (WASA-F) for further cooperation between the city governments. In order to contribute to professional development and water business promotion for both the cities, YWWB and WASA-F signed an MoU on technical exchange in October 2019. From JFY 2020, YWWB and WASA-F have held online seminars.</p> <p>From JFY 2022, YWWB has strengthened the collaboration with JICA "the Project for Improvement of the Management Capacity of Water Supply Sector in Faisalabad".</p> <p><b>Contents of MoU</b></p> <ol style="list-style-type: none"> <li>(1) Organizing an online seminar (once a year)</li> <li>(2) Introduction of products and technologies of the Yokohama Water Business Association (YWBA) member companies</li> <li>(3) Collaboration with JICA "the Project for Improvement of the Management Capacity of Water Supply Sector in Faisalabad"</li> </ol> <p><b>Contents of training program in JFY 2024:</b></p> <p>In December, YWWB held a two-day online seminar.</p> <ul style="list-style-type: none"> <li>-Date: December 2nd and 13rd, 2024</li> <li>-The number of participants:9 (WASA-F)</li> <li>-Audience:companies of Yokohama Water Business Association</li> <li>-Discussion themes:</li> </ul> <ol style="list-style-type: none"> <li>1) Introduction to Yokohama Waterworks</li> <li>2) History of the expansion of Yokohama Waterworks</li> <li>3) Business-matching with companies of Yokohama Water Business Association.</li> </ol>
Target (Cooperator) Countries	

Photos



Ceremony for Conclusion of MoU



Online Seminar

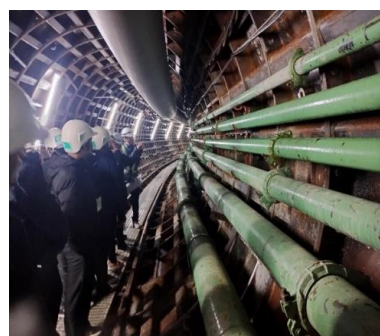
Name of Organization	<b>Yokohama Waterworks Bureau, City of Yokohama</b>
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Name of Activity	The Project for Improvement of Management Capacity of Water Supply Sector (MaWaSU 2・3)
Implementation Period	MaWaSU2 : from May 2018 to December 2023 MaWaSU3 : from February 2024 to February 2028
Main Organizer	JICA
Outline and Objectives	<p>The purpose of this project is to "establish the necessary infrastructure for strengthening the water supply sector management system and the capacity of Water Supply State Enterprise's (WSSE)' to achieve Laos' national goals".</p> <p>In order to improve waterworks administration and strengthen the planning and implementation capacity of WSSE, YWWB dispatched short-term experts in the field of public finance and accepted training in Japan in the same field.</p> <p>This project is carried out in collaboration with four local governments (Saitama Prefecture, Saitama City, and Kawasaki City) including Yokohama City, and five organizations including JICA. As the successor project, "MaWaSU3" is implemented from February 2024, which Yokohama City cooperates continuously with in the field of finance.</p>
Target (Cooperator) Countries	<p>Department of Water Supply (DWS), Ministry of Public Works and Transport(MPWT) of Lao PDR / DWS of MPWT, Vientiane Capital Water Supply State Enterprise (NPNL), Luang Prabang Provincial Water Supply State Enterprise(NPLB) and Khammouane Provincial Water Supply State Enterprise (NPKM) as the pilot water supply state enterprises (WSSEs), Department of Public Works and Transport (DPWT)s of Vientiane Capital, Luang Prabang, Khammouane and WSSEs and DPWTs of other provinces.</p> <p>Lao Water Works Association(LWWA)</p>

Photos



Short-term Expert



Training in Japan ; Inspection of  
Water Purification Plant  
Redevelopment Project

Name of Organization	<b>Yokohama Waterworks Bureau, City of Yokohama</b>
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Name of Activity	JICA Partnership Program "The Project for Capacity Development of PERUMDA Tirtanadi for 24 Hours Safe Water Supply"
Implementation Period	from April 28th, 2023 to April 27th, 2027
Main Organizer	Yokohama Waterworks Bureau (YWWB)
Outline and Objectives	<p>The purpose of this project is to give advice for improving water distribution facilities and instruct staff on how to improve the capacity of water distribution management and treatment of high-turbidity water in Medan, Indonesia, in order to realize safe 24-hour water supply in response to increase in water demand due to population growth.</p> <p>In addition, the project will assist Japanese water supply-related companies in developing their business there, by researching local needs for the products and technologies</p> <p>During the project, Yokohama Waterworks Bureau dispatches staff to Indonesia about three times a year and carries out training in Japan once a year.</p>
Target (Cooperator) Countries	PERUMDA Tirtanadi of North Sumatra Province

Photos



Field Activity



Training in Japan

Name of Organization	<b>Waterworks and Sewerage Bureau, City of Kawasaki</b>
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Name of Activity	Laos , The Project for Improvement of Management Capacity of Water Supply Sector (MaWaSU 3)
Implementation Period	February , 2024 - February , 2028
Main Organizer	JICA
Outline and Objectives	<p>Continuing from Phase 2, the purpose of the MaWaSU3 is strengthening the sustainable system of the water supply sector in government and each province to contribute to improving the management, planning, and operational capacity of the water supply sector in order to achieve the national goals of the Lao PDR. The main activities are (1) Strengthening the capacity of the Department of Water Supply (DWS) of the Ministry of Public Works and Transport(MPWT) in terms of law enforcement, monitoring, and management; (2) Strengthening the coordination system between the Department of Public Works and Transport(DPWT) and Water Supply State Enterprises(WSEs) for developing water supply facility plans; and (3) Systematizing capacity building programs for WSEs.</p> <p>Kawasaki City will dispatch long-term and short-term experts and will work in cooperation with JICA and the four local governments participating in the project (Saitama City, Saitama Prefecture, and Yokohama City).</p> <p><b>[FY2024 Results]</b></p> <ul style="list-style-type: none"> <li>•Long term expert(sub-chief advisor) : 1staff</li> <li>•Short term expert(water quality) : 1staff</li> <li>•Acceptance of trainees : 10trainees</li> </ul>
Target (Cooperator) Countries	DWS of MPWT, DPWTs in each province,WSEs in each province,Laos Water Works association(LWWA)

#### Photos



Name of Organization	<b>Waterworks and Sewerage Bureau, City of Kawasaki</b>
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Name of Activity	Indonesia・The Project for Improvement of Implementation Capacity of Underground Leakage Countermeasure in Makassar City - Towards Effective Use of Water Resources -
Implementation Period	Nov , 2022 - Oct , 2025
Main Organizer	JICA
Outline and Objectives	<p>In order to reduce the high non-revenue water, which is a major issue in Makassar city, Indonesia, the technical cooperation project utilizing the JICA Partnership Program (Local government type) will be implemented to support underground leakage countermeasure.(Abbreviation: MaKaPro)</p> <p>The objective of MaKaPro is to improve the ability of Perumda Makassar's capability to implement water leakage prevention measures. The aim is to reduce the non-revenue water ratio in Makassar city by efficiently transferring the technology.</p> <p>Activities include the local dispatch of our technical staff and training in Japan for Perumda Makassar.</p> <p>【FY2024 Results】</p> <ul style="list-style-type: none"> <li>・Dispatch of staff (4times) : 22staff</li> <li>・Acceptance of trainees (2times) : 6trainees</li> </ul>
Target (Cooperator) Countries	Indonesia/Perumda Makassar

Photos



Name of Organization	Public Enterprises Agency of Kanagawa Prefectural Government
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Name of Activity	MOU with Lang Son Province, Vietnam
Implementation Period	November 2018 - December 2025
Main Organizer	Public Enterprises Agency of Kanagawa Pref. Government (PEA-KPG)
Outline and Objectives	<p>PEA-KPG signed "MOU on Consideration of the Possibility of a Cooperative Relationship in the Field of Water Supply" with Lang Son Province, Vietnam in 2017 and has been exploring methods and contents of cooperation. In response to the counterpart's suggestion on "promoting an approach to decrease non-revenue water which the company is not earning water rates," we developed the MOU to "MOU on Technical Cooperation in Water Supply" in 2018. Based on the new MOU, PEA-KPG is sending our personnel in a short term to Viet Nam, as well as training staffs of Lang Son Water Supply and Drainage JSC mainly on water volume management in Kanagawa and Viet Nam.</p> <p>Since 2016, we have been inviting trainees for lectures and observations. Also, employees of Kanagawa Waterworks have been being dispatched to the province 2018 to investigate the facilities, leakages and the status of flow meters in the supply area. In addition, we hold online meetings regularly and share information and challenges.</p> <p><u>Achievements in FY2024</u></p> <p>Acceptance of a trainee: December 6-19, 2024 (1 trainee) (applying Administrative Policy Program of Kanagawa Prefecture)</p> <p>Dispatch of employees: January 6-11, 2025 (8 employees)</p> <p>Others: Implemetation of online meetings Monthly distribution analysis in the model area (April - March) Communicataion regarding distribution volume, network drawing, etc.</p>
Target (Cooperator) Countries	Lang Son PPC, Lang Son Water Supply and Drainage JSC (Viet Nam)



Leakage investigation in Lang



Lecture during Administrative Policy

Name of Organization	Public Enterprises Agency of Kanagawa Prefectural Government
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Name of Activity	MOU with Hung Yen Province, Vietnam
Implementation Period	November 2024 - December 2031
Main Organizer	Public Enterprises Agency of Kanagawa Pref. Government (PEA-KPG)
Outline and Objectives	<p>PEA-KPG signed "MOU on Consideration of the Possibility of a Cooperative Relationship in the Field of Water Supply" with Hung Yen Province, Vietnam in 2017 and has been exploring methods and contents of cooperation through accepting trainees, and so on. In response to the counterpart's suggestion posed during the discussion to request our cooperation regarding "non-revenue water" and "water quality control," we conducted a field study and contracted "MOU on Technical Cooperation in Water Supply Field" in 2024. Based on this MOU, PEA-KPG are going to implement training programs in Kanagawa for staffs from the Department of Agriculture and Rural Development which is a department of the People's Committee of Hung Yen province and to send our personnel in a short term for technical cooperation, etc.</p> <p>We have been inviting trainees for lectures and observations since 2016.</p> <p><u>Achievements in FY2024</u></p> <p>Acceptance of trainees: December 6-19, 2024 (2 trainees) (applying Administrative Policy Program of Kanagawa Prefecture)</p> <p>Dispatch of employees: (for field study) August 19-24, 2024 (8 employees) (signing of MOU) November 13-17, 2024 (5 employees)</p> <p>Others: Correspondence regarding information of a water purification plant, etc.</p>
Target (Cooperator) Countries	Department of Agriculture and Rural Development, the People's Committee of Hung Yen province (Viet Nam)



Leakage investigation in Hung




Observation during Administrative Policy Program





Name of Organization	<b>Chiba Prefectural Public Enterprises Bureau</b>
Name of Activity	JICA Technical Cooperation Projects "The Project for Improvement of Water Supply Management of Bee Timor-Leste"
Implementation Period	2021-2024
Main Organizer	JICA
Outline and Objectives	<p>At the request of JICA, Chiba Prefectural Public Enterprises Bureau(CPPEB) has dispatched 5 long-term and 29 short-term technical staffs to Timor-Leste since 2012 for the purpose of improving water supply systems though providing technical assistance.</p> <p>In FY2024, CPPEB participated in a technical cooperation project launched by JICA in 2021 and dispatched technical staffs into Timor-Leste providing on-site guidance for Bee Timor-Leste (BTL) in order to enhance their technical capabilities related to maintenance and water treatment at water treatment plants as well as installment and maintenance of water distribution pipes.</p> <p>【FY2024 Dispatch of a expert】 December 10, 2022 - December 9, 2024 a Long-term expert (1 staff)</p>
Target (Cooperator) Countries	Bee Timor-Leste
<div>  <p>Installment of water distribution pipes</p> </div> <div>  <p>Checking water quality after installment of water distribution</p> </div>	




Name of Organization	<b>Saitama City Waterworks Bureau</b>
Name of Activity	Project for Strengthening Organization Structures to Promote Non-Revenue Water Reduction in Water Supply State Enterprises of Lao PDR
Implementation Period	January 2025 ~ January 2028
Main Organizer	JICA
Outline and Objectives	<p>This project aims to contribute to strengthening organizational structures to promote Non-Revenue Water countermeasures by dispatching staff and accepting trainees.</p> <p>【Principal Activities】</p> <ul style="list-style-type: none"> <li>•Revise of the Service pipe installation manual and further dissemination to construction personnel.</li> <li>•Improving the system for responding to water leakage repairs</li> <li>•Improvement of the water meter reading operation system.</li> <li>•Water meter replacement planning procedures.</li> </ul> <p>【FY2024 Activity】</p> <p>Memorandum of Understanding Signing Ceremony for the Implementation of the JICA Partnership Program Baseline Survey(3staff)</p>
Target (Cooperator) Countries	Laos / Department of Water Supply , Ministry of Public Works and Transport 、 Pilot WSEs(Vientiane Capital , Luang Prabang Provincial , Khammouane Provincial)

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Name of Organization	<b>Saitama City Waterworks Bureau</b>
Name of Activity	The Project for Improvement of Management Capacity of Water Supply Sector of Lao PDR (MaWaSU3)
Implementation Period	February 2024 ~ February 2028
Main Organizer	JICA
Outline and Objectives	<p>This project aims to enhance sustainable mechanism for the improvement of management, planning, and operational capacities in the water supply sector at the national and provincial levels in Laos, to achieve the national goals of the country.</p> <p>We dispatch experts with Kawasaki City, Yokohama City and Saitama Prefecture.</p> <p>【Main Activities】</p> <ul style="list-style-type: none"> <li>•Capacity of Department of Water Supply (DWS) of the Ministry of Public Works and Transport(MPWT) to implement, monitor and manage laws and regulations in water supply administration is enhanced.</li> <li>•Deliberation structure on feasibility of water supply facility development between Department of Public Works and Transport(DPWT) and Water Supply State Enterprise(W SSE) is enhanced through their capacity development on basic planning of water supply facilities.</li> <li>•Capacity development programs for WSSEs are systematized in a sustainable manner.</li> </ul> <p>【FY2024 Dispatch experts,Acceptance Trainees】</p> <p>14th February 2024 ~13th February 2026 (Long-term expert[Chief advisor]:1 staff)</p> <p>18th November 2024 ~ 28th December 2024 (Short-term expert[Civil Engineering]:1staff)</p> <p>4th February 2025~ 5th February 2025(Acceptance:10 trainees)</p> <p>【Detail about JICA technology cooperation project】</p> <p><a href="https://www.jica.go.jp/english/information/press/2023/20230823_31.html">https://www.jica.go.jp/english/information/press/2023/20230823_31.html</a></p>
Target (Cooperator) Countries	Laos / DWS of MPWT, DPWTs in each province,WSSEs in each province,Laos Water Works association(LWWA)
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Name of Organization	<b>Saitama Prefectural Public Enterprise Bureau</b>
Name of Activity	The Project for Enhancement of Human Resource Development for Waterworks in Thailand and Laos
Implementation Period	December 2022 - December 2025
Main Organizer	Saitama Prefectural Public Enterprise Bureau
Outline and Objectives	<p>This project is implemented as a JICA Partnership Program.</p> <p>The purpose of this project is to contribute to the development of water supply in Thailand and Laos by strengthening the human resource development system for the appropriate and efficient operation and management of water supply facilities in the water utilities of the two countries, thereby realizing the stable supply of high-quality water.</p> <p>&lt;Activities in FY 2024&gt;</p> <ul style="list-style-type: none"> <li>○Dispatch of engineers (Thailand, 4 members) July 1, 2024 - July 12, 2024</li> <li>○Training in Japan (Thailand, 4 members, Laos, 3 members) September 2, 2024 - September 6, 2024</li> <li>○Dispatch of engineers (Laos, 3 members) September 22, 2024 - October 5, 2024</li> <li>○Dispatch of engineers (Thailand, 3 members) November 17, 2024 - November 30, 2024</li> <li>○Dispatch of engineers (Laos, 3 members) January 12, 2025 - January 25, 2025</li> </ul>
Target (Cooperator) Countries	Thailand / Provincial Waterworks Authority (PWA) Lao PDR / Vientiane Capital Water Supply State Enterprise (NPNL)
Photos	<div>  <p>Field survey (Thailand)</p> </div> <div>  <p>Field survey (Laos)</p> </div> <div>  <p>Discussions (Thailand)</p> </div> <div>  <p>Lecture (Laos)</p> </div>

Name of Organization	<b>Saitama Prefectural Public Enterprise Bureau</b>
Name of Activity	The Project for Improvement of Management Capacity of Water Supply Sector
Implementation Period	February 2024 - February 2028
Main Organizer	JICA
Outline and Objectives	<p>&lt;Outline&gt;  JICA web page  <a href="https://www.jica.go.jp/oda/project/202208133/index.html">https://www.jica.go.jp/oda/project/202208133/index.html</a></p> <p>&lt;Cooperation contents&gt;  In accordance with the cooperation agreement on the project concluded in February 2024, we are cooperating in the dispatch of experts in the field of equipment and water quality and the acceptance of trainees.</p> <p>&lt;Activities in FY 2024&gt;  ○Annual report meeting (2 staffs)  November 20  ○Training in Japan (10 staffs from Laos)  January25 - February 8</p>
Target (Cooperator) Countries	Lao PDR / DWS of MPWT, Vientiane Capital Water Supply State Enterprise (NPNL), Luang Prabang Provincial Water Supply State Enterprise (NPLB) and Khammouane Provincial Water Supply State Enterprise (NPKM) as the pilot water supply state enterprises (WSSEs), Department of Public Works and Transport (DPWT) of Vientiane Capital, Luang Prabang, Khammouane and WSSEs and DPWTs of other provinces
Photos	  <p>Annual report meeting in Laos</p>  <p>Training in Japan</p>

Name of Organization	<b>Nagoya City Waterworks and Sewerage Bureau</b>
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Name of Activity	The JICA Training and Dialogue Programs Non-Revenue Water Management(Leakage Control)
Implementation Period	15 October ~ 14 November 2024
Main Organizer	JICA
Outline and Objectives	<p>This program aims to Capacity Development for Non Revenue Water management of Developing countries engineers.</p> <p>The main training programs in Nagoya are as follows;</p> <ul style="list-style-type: none"> <li>•Leakage Control</li> <li>•Water Distribution Planning</li> <li>•Pipeline Design</li> <li>•Maintenance of water supply system</li> <li>•Site visits (Water Puri cation Plant, Pipeline Center etc.)</li> <li>•Public Relations</li> <li>•Water Meter Readings</li> </ul>
Target (Cooperator) Countries	Brazil, Mozambique, Sri Lanka, Sudan, Philippines

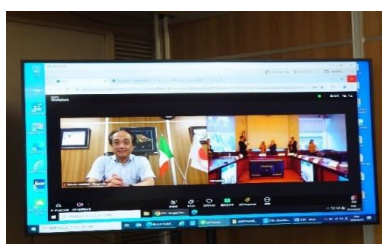
Photos



Name of Organization	<b>Nagoya City Waterworks and Sewerage Bureau</b>
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Name of Activity	JICA Partnership Program "Project for the Improvement of the Water Service Level in the Framework of the Integrated Water Resources Management Program of Mexico City"
Implementation Period	19 December 2024 ~ 17 December 2027
Main Organizer	Nagoya City Waterworks and Sewerage Bureau
Outline and Objectives	<p>Mexico City's water supply and sewerage system is faced with a wide range of issues, including population growth, climate change, uncontrolled development of each water source, the vulnerability of the water system, and land subsidence. In order to solve these issues, stakeholders must address them from a comprehensive perspective after accurately identifying the causes of the issues. This project aims to improve the standard of water supply and sewerage services in Mexico City and ensure a smoother water resource management cycle by having Nagoya City provide technical cooperation to part of Mexico City's Program for Integrated Water Resources Management (PGIRH).</p> <p>The activities in FY2024 are as follows</p> <ul style="list-style-type: none"> <li>•Signing of minutes regarding project implementation with relevant organizations (August 9, 2024)</li> <li>•First staff dispatch (January 18th to February 6th, 2024) 6 staff dispatched*</li> </ul> <p>*2 of the staff were dispatched from January 18th to 23rd</p>
Target (Cooperator) Countries	<p>Mexico City Integrated Water Management Agency(SEGIAGUA)</p> <p>Mexico City Integrated Risk Management and Civil Protection Agency(SGIRPC)</p>

#### Photos



**Signing of minutes**  
Participated in a web conference





**First staff dispatch**  
Kick-off meeting

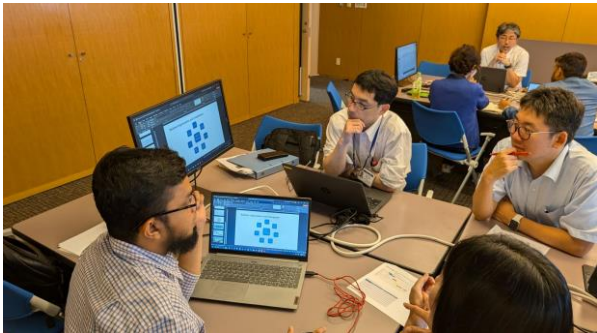

Organization Name	<b>Toyohashi Waterworks &amp; Sewerage Bureau</b>
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Project Name	Grassroots Technical Cooperation Project Project for Strengthening Tap Water Supply Services in Solok (Region Revitalization Special Framework)
Project Term	April 2023 - March 2026
Organizing Agency	Japan International Cooperation Agency (JICA)
Project Outline and Objectives	<p>■ Project Outline and Objectives</p> <p>Building upon the positive results of the water purification technology guidance provided to the city of Solok during Phase 1, we are implementing efforts aimed at ensuring a stable system for providing "drinkable tap water" produced at water filtration plants to residents. Furthermore, as part of these efforts, we are cooperating with organizations associated with Public Water Supply Company and Andalas University, etc., in the Padang city region, and conducting activities linked to the development of human resources and the establishment and transmission of skills and technology acquired thus far.</p> <p>■ Principal Activities for Phase 2 (2023 - 2025 fiscal years)</p> <ol style="list-style-type: none"> <li>1. Conduct training on improving water distribution pipes for staff in charge of plumbing at Solok Region Public Water Supply Company to ensure a steady supply of "drinkable tap water" for Solok residents in the model district.</li> <li>2. Promote "drinkable tap water" to residents of Solok, and aim to raise awareness of water supply projects and improve residents' daily lives.</li> <li>3. Conduct human resources development so that local supervising staff can themselves pass on skills they've acquired to establish the water supply technology necessary for providing a stable supply of "drinkable tap water."</li> </ol> <p>■ Principal Activities for the 2024 Fiscal Year</p> <ul style="list-style-type: none"> <li>• Determined the scope of the model region based on field investigations and water pressure surveys, and confirmed designated water pressure at end hydrants through on-site training (e.g., valve adjustment training).</li> <li>• Conducted practical training to improve "drinkable tap water" production capacity.</li> </ul>
Target (Partner) Countries, Organizations	Republic of Indonesia   Solok Region Public Water Supply Company


Photos







Name of Organization	<b>Osaka Municipal Waterworks Bureau (OMWB)</b>
Name of Activity	Technical Exchange between SAWACO,DOWACO and OMWB
Implementation Period	On-site survey: August 25-31, 2024 Training in Japan: December 15-21, 2024
Main Organizer	Osaka Municipal Waterworks Bureau (OMWB)
Outline and Objectives	<p>In December 2009, Osaka Municipal Waterworks Bureau (OMWB) concluded a "Technical Partnership Agreement" with the Saigon Water Corporation (SAWACO) of water supplier Ho Chi Min City. In December 2021, OMWB, SAWACO and Dong nai Water Joint Stock Company (DOWACO) which supply water in Dong nai Province neiboring Ho Chi Min City, newly signed "Technical Partnership Agreement", and we have held a technical exchange annually, since then. In preparation for the technical exchange training in Japan in FY2024, a field survey was conducted in August 2024 to understand the current status of SAWACO and DOWACO in detail.</p> <p>Five staff members from SAWACO and five from DOWACO participated in the training in Japan in December 2024, and conducted technical exchange on the themes of "water pipe renewal plan," "remote monitoring of water purification plants," and "CSR Activities of Water Utilities. They also toured the OMWB's facility "Aquatic Osaka" and our overseas water business partner companies introduced the products and technologies related to the technical exchange theme to SAWACO and DOWACO.</p>
Target (Cooperator) Countries	Saigon Water Corporation (SAWACO), Dong Nai Water Supply Joint Stock Company (DOWACO) ,Vietnam
Photos <div>   </div> <div> <div>Visit to Kunijima WTP</div> <div>Visit to Aquatic osaka</div> </div>	

Name of Organization	<b>Osaka Municipal Waterworks Bureau (OMWB)</b>
Name of Activity	JICA Knowledge Co-creation program"Operation and Maintenance of Urban Water Supply System "
Implementation Period	May 20- July 5, 2024
Main Organizer	JICA
Outline and Objectives	<p>Osaka Municipal Waterworks Bureau(OMWB) has implemented the training of "Group Training Course (Operation and Maintenance of Urban Water Supply System )" established by JICA in 1994 and has accepted many trainees until now. Since 2012, the training has been devided into more specialized two courses, for Water distribution and supply and for Water quality and purification.</p> <p>In addition, since 2016, Osaka City, Kobe City, Kyoto City and Sakai City (since 2020) have been collaborating to provide training more effectively and efficiently respond to the diversifying needs of trainees, by using the technical capabilities and facilities of each city effectively.</p> <p>In addition to lectures and practical training on topics such as water facility maintenance and water purification technology, each trainer held discussions with the trainees about their needs and consulted with them based on applicable Japanese technologies, and created action plans to solve issues facing their home countries.</p>
Target (Cooperator) Countries	Timor-Leste, Papua New Guinea, Philippines, Cambodia, Iraq, Sudan, Senegal, Guyana, Bangladesh, Nepal, Lebanon, Malawi (Trainees: 17 in total)
<div>Photos</div> <div>   </div> <div> <div>Consultation</div> <div>Water purification training</div> </div>	

Name of Organization	<b>Osaka Water Supply Authority</b>
Name of Activity	Participation in international conferences
Implementation Period	2024/7/4~2025/7/5
Main Organizer	Informa Markets
Outline and Objectives	At the request of Metropolitan Waterworks Authority (MWA), which is engaged in technical exchanges, one staff member was dispatched to an international exhibition and conference on water supply technology held in Thailand (Thai Water Expo 2024 Water Forum), where they presented plans to renew the water purification plant and earthquake response.
Target (Cooperator) Countries	Thailand
Photos	 <p>The left image is a banner for the 'Water Forum 2024' event. It features the title 'Smart Water and Power Solutions: A PATH TO SUSTAINABILITY' and lists several speakers including Mr. Thechai Sekulpong (Chairman), Mr. Tomye Kotani, Mr. Akatsu Pradhuangst, Mr. Tom Postma, Mr. Supakkaj Bunmahitren, and Mr. Supawoot Tripathi. The event is organized by CHULA ENGINEERING and Informa Markets, taking place on 4 JULY 2024 from 13.30 to 16.00 hrs. in Room MR110 at QSNCC, Bangkok, in English.</p> <p>The right image shows a presentation slide titled '3. Renewal of Osaka Water Treatment Plant Target for the renewal of water treatment plants'. The slide includes a graph showing 'Water Demand' and 'Water Supply' over time, with a 'Downsizing' phase indicated. It also features a photo of the Osaka Water Treatment Plant and a small inset image of the 2011 Tohoku Earthquake.</p>

Name of Organization	<b>Kyoto City Water Supply and Sewerage Bureau</b>
Name of Activity	JICA Knowledge Co-Creation Program "Operation and Maintenance of Urban Water Supply System (Water Quality and Purification) (A)"
Implementation Period	20 May - 5 Jul , 2024
Main Organizer	JICA Kansai
Outline and Objectives	<p>In collaboration with Osaka City, we provided training for 8 trainees.</p> <p>In order to help the trainees solve problems in their work, we checked the actual situation of their organizations and problems in their work, and gave them advice on how to solve their problems.</p>
Target (Cooperator) Countries	Timor-Leste,Bangladesh,Nepal,Lebanon,Malawi,Sudan
Photos	

Name of Organization	<b>KOBE City Waterworks Bureau</b>
Name of Activity	JICA knowledge co-creation Program "Operation and Maintenance of Urban Water Supply System (Water Quality and Purification) (B)"
Implementation Period	June 11th - August 2nd, 2024
Main Organizer	JICA-Kansai
Outline and Objectives	<p>This training is aiming to foster engineers who are in charge of water quality and purification. 6 participants from 5 countries joined this program in 2024. Based on on-demand classes, in-person classes and Q&amp;A session with training instructors, participants made an Action Plan aiming to solve the problems each of their countries have.</p> <p>Main programs of the training course are as follows.</p> <ul style="list-style-type: none"> <li>• Make and Report a Country Report</li> <li>• Training Program (on-demand class)</li> <li>• Training Program (in-person class)</li> <li>• Make and Report an Action Plan</li> <li>• Q&amp;A session</li> </ul>
Target (Cooperator) Countries	Tajikistan, Cambodia, Ukraine, Bangladesh, Republic of South Sudan
Photo <div>   </div>	

Name of Organization	<b>The City of Hiroshima Waterworks Bureau</b>
Name of Activity	JICA Operation and Maintenance of Urban Water Supply Systems Course B
Implementation Period	July 4 to August 5, 2024
Main Organizer	JICA
Outline and Objectives	<p>The City of Hiroshima accepts technicians in the field of waterworks from developing countries so that they can acquire practical knowledge and skills about Hiroshima's water supply and distribution. The goal of this program is for the trainees to contribute to the development of waterworks services in their countries. The City has accepted 96 trainees since receiving JICA Chugoku's request in 2013.</p> <p>Main Programs of Training Course:</p> <ul style="list-style-type: none"> <li>•Hydrologic Accounting</li> <li>•Operation and Maintenance of Purification Plants</li> <li>•Water Quality Management</li> <li>•Leak Prevention Training</li> <li>•Waterworks Facilities Information Management System</li> <li>•Repair of Burst Water Pipes</li> </ul>
Target (Cooperator) Countries	Ethiopia, Gambia, Laos, Nepal, Saint Vincent and the Grenadines, Ukraine [six participants in total]
Photos <div>   </div>	

Name of Organization	<b>Fukuoka City Waterworks Bureau</b>
Name of Activity	JICA Technical Cooperation Project: Project for Capacity Development of Non-Revenue Water Reduction in Nadi and Lautoka Area
Implementation Period	May 2023 – July 2026
Main Organizer	JICA, Nihon Suido consultants, Yachiyo Engineering, Fukuoka City waterworks bureau
Outline and Objectives	<p>■ <b>Summary/Purpose</b></p> <p>In Nadi and Lautoka area located in the western part of the Republic of Fiji, NRW ratio is as high as 48% and water demand is expected to increase with population growth. It is necessary that the area keeps water supply by reducing NRW and Water Authority of Fiji enhances its NRW management capability. Due to the background, JICA is conducting this technical cooperation project, and Fukuoka City Waterworks Bureau participates in the project as through dispatching a short-term expert and accepting training course in Fukuoka City. These activities are expected to develop the capabilities of Fijian engineers.</p> <p>■ <b>Activities (FY 2024)</b></p> <ul style="list-style-type: none"> <li>• Dispatching one staff to Fiji as a short-term expert</li> <li>• Accepting training course (7 Fijian engineers) in Fukuoka City</li> </ul>
Target (Cooperator) Countries	Water Authority of Fiji, Republic of Fiji

photos




Dispatching to Fiji




Training course in Fukuoka City

Name of Organization	<b>Fukuoka City Waterworks Bureau</b>
Name of Activity	JICA Group and Region Focused Training: Non-Revenue Water (NRW) Management (Leakage Control)
Implementation Period	Online program: October 3, 2024 – October 11, 2024 Course in Japan: October 28, 2024 - November 15, 2024
Main Organizer	JICA
Outline and Objectives	<p>■ <b>Summary/Purpose</b></p> <p>Developing countries tend to have a higher rate of NRW due to a shortage of waterwork engineers. By accepting their officers as JICA Group and Region Focused trainees, and transferring Fukuoka City's expertise and techniques on waterworks, Fukuoka City contributes to improve those countries' water supply environment. In addition, these aims to develop the capability of the engineers in Fukuoka City through international cooperation activities and to improve their technical standards by accumulating activities.</p> <p>The course program in fiscal year 2024 was a mixture of online and in-person training in Japan. While online training had on-demand lectures, in-person training in Japan had some site visits and exercises.</p> <p>■ <b>Activities</b></p> <ul style="list-style-type: none"> <li>• Lectures: water supply in Fukuoka city; NRW management, water leakage prevention; design, construction and maintenance of distribution pipe; and human resource development, and so on</li> <li>• Site visits: construction site of distribution pipe, meter instrumental error test, sea water desalination institution, and customer center, and so on</li> <li>• Exercises: NRW reduction training at technical training center</li> <li>• Support: creating action plans</li> </ul>
Target (Cooperator) Countries	Bhutan (1 person), Egypt (1 person), Jordan (1 person), Palau (1 person), Rwanda (1 person), Samoa (1 person)

photos




Making action plan



Practice of reducing non-revenue water in technical training center

Name of Organization	<b>Fukuoka City Waterworks Bureau</b>
Name of Activity	JICA Technical Cooperation Project: Project for Capacity Development of Non-Revenue Water Reduction in Sfax metropolitan urban water supply district, southern region, Tunisia
Implementation Period	2nd phase: June 2024 – April 2026
Main Organizer	JICA, Yachiyo Engineering, Japan Techno, Fukuoka City waterworks bureau
Outline and Objectives	<p>■ <b>Summary/Purpose</b></p> <p>In Republic of Tunisia, approximately 85% of high-quality water resources are distributed in the north of the country, making it an urgent issue to address the regional uneven distribution of water resources and the increasing demand for water due to population growth. The southern city of Sfax depends on northern water sources for the majority of its water supply, and the severe water shortages during the dry season and the high non-revenue water ratio (24%) require efficient non-revenue water management. Due to the background, Fukuoka City Waterworks Bureau, which has been promoting water conservation-conscious city, will accept training courses in Fukuoka City, sharing its know-how and knowledge of non-revenue water measures, etc. The training courses are expected to contribute to efficient non-revenue water management in the Sfax metropolitan area.</p> <p>■ <b>Activities (FY 2024)</b></p> <ul style="list-style-type: none"> <li>• Lectures: water management, planning and policy of water conservation-conscious city in Fukuoka city</li> <li>• Site visits: water distribution control center, meter instrumental error test, sea water desalination institution, and customer center, and so on</li> </ul>
Target (Cooperator) Countries	National Water Distribution Utility, Republic of Tunisia (8 persons)

photos

Water disribution control center

Meter error test

Name of Organization	<b>Japan Water Works Association</b>
Name of Activity	JICA Knowledge Co-Creation Program "Comprehensive Engineering on Water Supply Systems:Basic Planning and Design for Water Supply System (A)"
Implementation Period	18 November- 29 December, 2024
Main Organizer	JICA
Outline and Objectives	<p>This training is aiming to foster development of engineers who will take on leading roles in managing waterworks facilities and target of the training is mid-level waterworks engineers from developing countries.</p> <p>The program features a number of lectures, observation tours and exercises regarding comprehensive water supply technologies.</p> <p>This is our 57th time providing this program. The total number of participants are 671 from more than 90 countries and regions in the long history.</p> <p>Main programs of the training course are as follows.</p> <ul style="list-style-type: none"> <li>•Country Report Presentation</li> <li>•Water Safety Plan</li> <li>•Visit to Dam for Water Supply</li> <li>•Water Leak Detection Demonstration and Practice</li> <li>•Visit to Gravity Flow Water Treatment Plant</li> <li>•Basic Planning for Water Supply Facilities</li> <li>•Visit to Open Cut Method Pipe Laying Construction</li> <li>•Jar Test(Optimization of Coagulation / Flocculation Process) etc</li> </ul> <p>【Reference】 <a href="http://www.jwwa.or.jp/english/en_04.html">http://www.jwwa.or.jp/english/en_04.html</a></p>
Target (Cooperator) Countries	LAOS, CAMBODIA, SOUTH SUDAN, TIMOR-LESTE, RWANDA, PHILIPPINES, MADAGASCAR (Total 7 participants)
Photos	 