



Name of Organization	Fukuoka City Waterworks Bureau
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>■ Summary/Purpose</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>■ Activities (FY 2024)</p> <ul style="list-style-type: none"> • Dispatching one staff to Fiji as a short-term expert • Accepting training course (7 Fijian engineers) in Fukuoka City
Target (Cooperator) Countries	Water Authority of Fiji, Republic of Fiji
<p>photos</p> <div>   </div> <div> <p>Dispatching to Fiji</p> <p>Training course in Fukuoka City</p> </div>	

Name of Organization	Fukuoka City Waterworks Bureau
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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>■ Summary/Purpose</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>■ Activities</p> <ul style="list-style-type: none"> • 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 • Site visits: construction site of distribution pipe, meter instrumental error test, sea water desalination institution, and customer center, and so on • Exercises: NRW reduction training at technical training center • Support: creating action plans
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	Fukuoka City Waterworks Bureau
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>■ Summary/Purpose</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>■ Activities (FY 2024)</p> <ul style="list-style-type: none"> • Lectures: water management, planning and policy of water conservation-conscious city in Fukuoka city • Site visits: water distribution control center, meter instrumental error test, sea water desalination institution, and customer center, and so on
Target (Cooperator) Countries	National Water Distribution Utility, Republic of Tunisia (8 persons)

photos



Water disribution control center



Meter error test