

March 11, 2024

**Proposal on a Business Demonstration Project in Cambodia
Selected for FY2023 'SMEs and SDGs Business Supporting Surveys '
by the Japan International Cooperation Agency (JICA).
~ Contribute to the Safe and Secure Water for Daily Use ~**

Hitachi Zosen Corporation's proposal "SDGs Business Validation Survey for Dissemination of Packaged Type Rapid Fiber Filtration System for High-Turbidity Water in Cambodia" to be implemented in Cambodia has been selected as a "Business Validation Survey," under the Japan International Cooperation Agency (hereinafter: JICA)'s "FY2023 'SMEs and SDGs Business Supporting Surveys'" which had been publicly announced in September 2023.

JICA supports the development of businesses by Japanese private companies and other entities that contribute to solving the issues in developing countries. In "SMEs and SDGs Business Supporting Surveys," three support menus are available with JICA, which are "SDGs Business Needs Confirmation Survey," "SDGs Business Validation Survey," and "SDGs Business Verification Survey with the Private Sector, ". In the Business Validation Survey, after confirming that the proposed products/services are acceptable to clients, the project will establish a product/service delivery system by securing local partners, prepare for business operations, and formulate a more precise business plan through profitability verification and other measures.

In this demonstration project in Cambodia, we will confirm that the water purification performance of a package-type high-speed filter water purification system for high turbidity using our original fiber filtration material is suitable for the local market during the rainy and dry seasons, where turbidity fluctuates greatly, and obtain an evaluation of the operability and maintainability of the system through demonstration unit operation by local water utilities, in order to develop a business plan for the sale of filtration and purification systems in the country.

While urban areas in Cambodia purify and treat river water for domestic use, rural areas are forced to live without access to safe and secure water from dirty rivers. In addition, heavy tanks filled with water must be carried manually over long distances, which is the role of women and children.

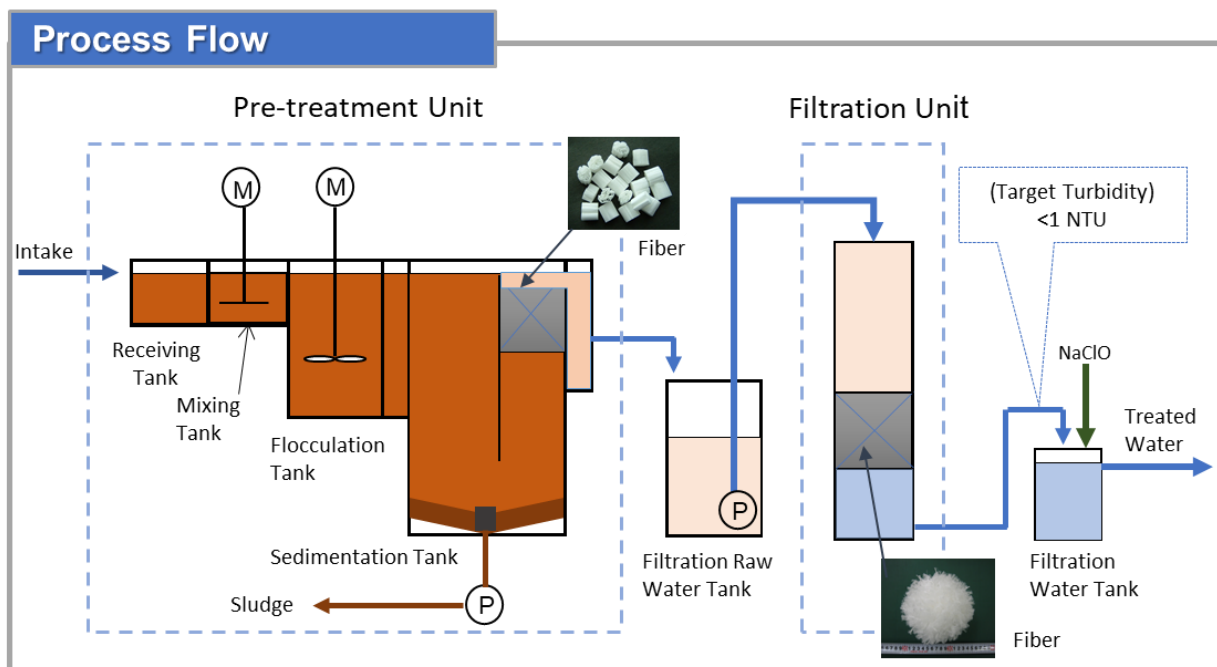
Our packaged high-speed filtration water purification system for high turbidity is a space-saving package-type system, which is easy to disperse in rural and remote areas. With the widespread use of this system, it is possible to use low-cost, safe and secure clean water produced by water purification systems in rural areas. In addition to improving the standard of living, the system is expected to promote production activities such as agriculture and livestock industries.

Hitachi Zosen will make use of the technologies we have cultivated over the years and contribute to the development of the region, including the development of the local economy and the promotion of tourism.

[System Appearance]



[System Overview]



※Our water purification system (standard type treatment capacity: 1,000 m³/day) can supply water to 40,000 people.

※In this demonstration, a small-scale facility will be used to evaluate water purification performance, operability and ease of maintenance and management.

The outline of this project is as follows:

1. Publicly solicited by: Japan International Cooperation Agency (JICA)
2. Project name : FY2023 SMEs and SDGs Business Supporting Surveys
3. Name of theme : SDGs Business Validation Survey for Dissemination of Packaged Type Rapid Fiber Filtration System for High-Turbidity Water in Cambodia
4. Target country : Kingdom of Cambodia
5. Contract period: March 1, 2024 to March 31, 2026

[Reference]

Introduction of Package-Type High-Speed Filtration Water Purification System for High Turbidity

- Japanese <https://www.hitachizosen.co.jp/business/field/water/rff.html>
- English <https://www.hitachizosen.co.jp/english/business/field/water/rff.html>
- English video Introduction Package-type high-speed filter water purification system for high turbidity

About JICA

<https://www.jica.go.jp/about/index.html>

JICA Private Sector Partnership Project Website

https://www.jica.go.jp/activities/schemes/priv_partner/index.html