



JFE Engineering Receives Order for Sewage Treatment Plant in the World Heritage City of Kandy, Sri Lanka

JFE Engineering Corporation (Head Office: Chiyoda-ku, Tokyo, President: Hisanori Kanou) announced that it has successfully received an order for the Design and Construction of Waste Water Treatment Plant, Main Pump Station, Treated Effluent Disposal System, Sludge Drying Beds and Supply of Operation and Maintenance Equipment under the “Kandy City Wastewater Management Project” from the National Water Supply and Drainage Board, Democratic Socialist Republic of Sri Lanka.

Despite a rapid economic growth in recent years, the sewerage system in Sri Lanka has not been able to keep pace and its coverage is still limited to approximately 2.5%.^{*1} Even in Kandy, the country’s second largest city and registered as a UNESCO World Heritage site, the household wastewater is still discharged directly into rivers and lakes without adequate treatment which causing deterioration in the water quality.

This is the first project for the construction of a sewage treatment plant funded by the Japanese Government’s Official Development Assistance (ODA) program. The facility will treat sewage from approximately 70,000 city residents which will lead to an improvement of the water quality of rivers and lakes, particularly the Mahaweli River, one of the main water sources in the country.

As a member of the Yokohama Water Business Conference, JFE Engineering Corporation’s business development activities were supported by the City of Yokohama, which seeks through its Y-PORT (Yokohama Partnership of Resources and Technologies) Project to enhance international technical cooperation via public-private collaborations. Support from Yokohama City included business matching forums, as well as seminars on Wastewater Treatment Technologies and Sewerage Operation targeted to government officials such as the Mayor of Kandy City.

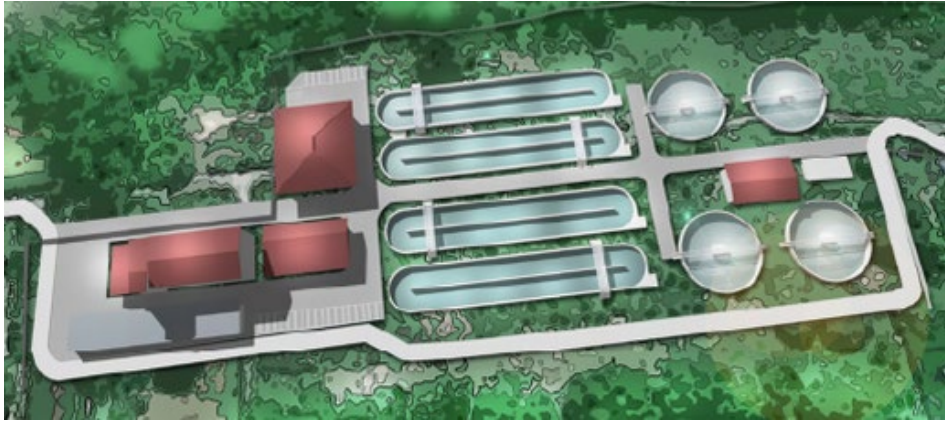
With a capacity of 14,000m³/day, the proposed plant utilizes the “Propeller-type Oxidation Ditch (OD) System”. This technology enables the efficient treatment of sewage through the high mixture with oxygen promoted by submersible propellers and air diffusers in the Aeration Tank. This technique also allows easy plant operation and maintenance. JFE Engineering Corporation, with unparalleled experience in Japan providing facilities with this technology, actively proposed this system to the Sri Lankan Government in order to help reduce plant operation costs, which will be borne by the client after construction. In winning the award, JFE Engineering’s proven track records and existing public-private collaboration activities were highly evaluated.

Following the completion of this project, which aims to improve the environmental management in the beautiful ancient city of Kandy, JFE Engineering will continue with its long-standing commitment to contribute to Sri Lanka’s economic development through the supply of its products and technologies, such as bridge structures, Waste to Energy plants, among others.

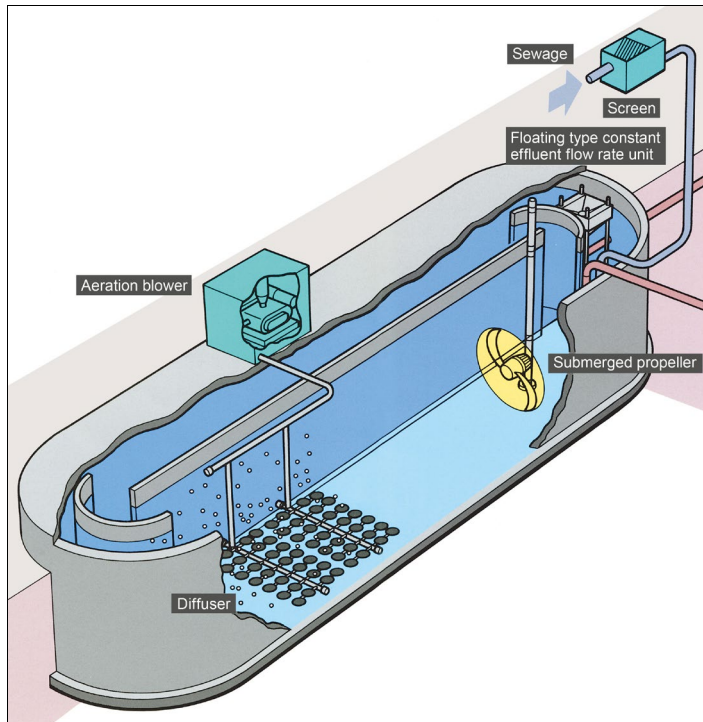
^{*1} Statistics for fiscal year 2010 (Source: Global Water Market 2014).

^{*2} The Japanese government considers Sri Lanka to be an important target country, and has provided ODA support for a wide range of infrastructure construction projects to date, including roads and other transportation network facilities, electric power, waterworks, and other infrastructure.

■Architectural Perspective (Conceptual Drawing)



■Outline of Propeller Oxidation Ditch System



For more information, please contact Public Relations Office, General Affairs Department,
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