



NEWS RELEASE

About Test Operation of Water Treatment Plants in Bangladesh

Tokyo, Japan, December 7, 2020 ---Test operation of water treatment plants in Bangladesh, using functional adsorbent developed by JDC Corporation started on December 7, 2020. We invited people concerned to the site and held an opening ceremony.

Clean drinking water is scarce in Bangladesh due to arsenic pollution of well water, which is its main water source. The functional adsorbent developed by our company can be used to adsorb arsenic, therefore have continuously researched in order to demonstrate on the field. We constructed water treatment plants at a village about 50km west of Dhaka and started test operations. This plant can treat 8,000 liters of water per day, and this size is estimated to satisfy the demand of water in a village. After completing system verification by operating about 6 months, we are planning to move on to check for commercialization. We are planning to test smaller types, which can treat 600~800 liters of water per day in the future, which are for educational facilities.

Due to the spread of the novel corona virus (COVID-19), we were unable to send our employees to Bangladesh to construct the plant. However, we completed not only the construction, but also the adjustments, by remotely connecting Japan and Bangladesh using variety of softwares.

The test operation in Bangladesh is a step to settle global water issues. In the future, we would like to spread this technology to other developing countries and areas suffering with the same problem. JDC Corporation holds up contribution to the creation of a more prosperous society as its management philosophy, and would like to contribute to a sustainable development of the world through business activities valuing “SDGs.”



External appearance of plant constructed



Water treatment facility

<Reference>

• About development of functional adsorbent

Our company have been improving LDH (Layered Double Hydroxide), which is used to remove anion since March 2004. By nanosizing the substance, we have succeeded to improve its ability and manufacture material adaptable to a wide range of ion species. This technology is first in Japan, according to our investigation.



functional adsorbent

• About Tsukuba Mirai Center

As a research and development center in order to merge heavy machinery, which is one of our strong value since our foundation and ICT as its main theme, we constructed “Tsukuba Mirai Center,” working on creating technology, new business, and human resources. We are changing our way of thinking from the traditional way of Japanese general contractors, and are driving research on fields of “Safety,” “Use of ICT” and “Sustainable Society.” From research about efficient use of waste as construction material, and environmental technology development against heavy metal in civil engineering area, functional adsorbent was born to easily remove substances unfavorable to living environment as one of our new businesses.



Water treatment plant at
Tsukuba Mirai Center

• About the Opening Ceremony

The opening ceremony was also held between Japan and Bangladesh through the Internet. Our Representative Director and President Takeo Asakura, and Executive Officer CTO Masaaki Kusano attended from Japan, and received words of appreciation from authorized personnel of the Department of Public Health Engineering (DPHE) of Bangladesh.



Opening ceremony at Bangladesh



Representative Director and President
Takeo Asakura(right) and
Executive Officer CTO Masaaki Kusano

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