NIPPON STEEL ENGINEERING

News Release

May 27th, 2020

Nippon Steel Engineering Co., Ltd.

JFE Steel Orders CDQ System for Its East Japan Works Chiba

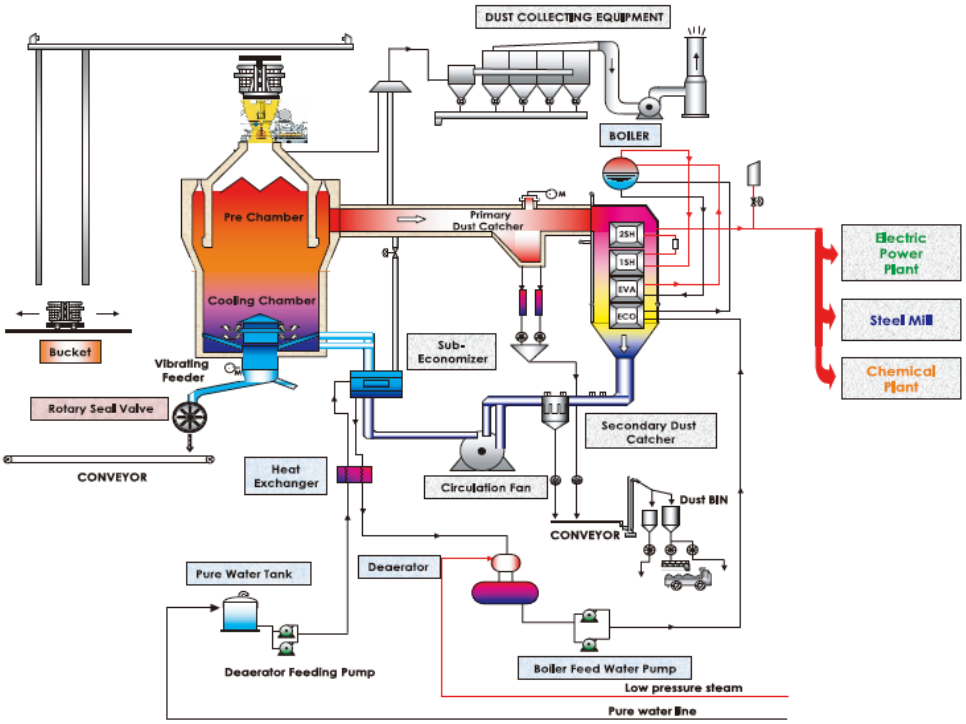
Nippon Steel Engineering Co., Ltd. (Representative Director and President: Yukito Ishiwa; Head Office: Shinagawa-ku, Tokyo; hereinafter, "NSE") is pleased to announce that it has received an order for one coke dry quenching (CDQ*1) plant from JFE Steel Corporation (Representative Director and President: Yoshihisa Kitano; Head Office: Chiyoda-ku, Tokyo; hereinafter, "JFE). The CDQ plant, which is capable of treating 80 tons of hot cokes per hour, will be installed at JFE's East Japan Works - Chiba on a turnkey contract basis.

The CDQ plant is expected to increase in productive capacity at Chiba Works. It will be a new CDQ system installation since the last Japanese domestic CDQ construction project which was in 2013. This award marks NSE's 134th order for CDQ plants.
NSE has numerous track records for constructing CDQ plants around the world which greatly recover energy. Recent records outside of Japan shall be China, Taiwan, Vietnam, and India.

NSE's CDQ plants are highly evaluated for its' technical advantages and reliability. Moreover, extensive construction results and project management skills from customers. NSE, as a leading company in the field of environmental protection and energy saving technology, will continue to contribute to the development of the international iron and steel industry and protection of the environment as well for the future.

***1 Coke Dry Quenching (CDQ)**

CDQ plants use an inert gas inside a cooling tower to cool red-hot coke which is coal carbonized in a coke oven. The sensible heat of red-hot coke, which previously used to be diffused, is recovered as steam with a boiler. These systems have been attracting considerable attention in recent years for three benefits they offer: less amount of dust generated when cooling coke, reduced CO2 emissions through power generation by steam, and improved quality of coke suited to use in a blast furnace.



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