

PRESS RELEASE

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Chiyoda Licenses its Own Process Technology on Acetic Acid

Chiyoda Corporation (“Chiyoda”, TSE: 6366; ISIN: JP3528600004), Japan’s leading engineering and construction firm, today announces that it has been awarded a Licensing and Engineering contract by Foster Wheeler Energy Limited (“Foster Wheeler”, Reading UK) for the use of its technology, the Acetica® process, to produce acetic acid. This technology will be sub-licensed by Foster Wheeler to Petróleo Brasileiro S.A. (“Petrobras”, Rio de Janeiro Brazil, CEO: Maria das Graças Silva Foster) for a world-scale grassroots gas-to-chemicals complex in Linhares, Espírito Santo State, southeast Brazil, called Complexo Gás-Químico UFN-IV*. Chiyoda will provide the Process Design Package (PDP), technical assistance and training services during the engineering, procurement and construction (EPC) phase until successful completion of the process performances tests.

*: This complex is planned to produce ammonia and urea fertilizers, methanol, acetic acid, formic acid and melamine. Foster Wheeler works as Integrator to the project.

1. Scope : Licensing of the Acetica® process including PDP, Technical Assistance, Training Services, etc.
2. Capacity : Approx. 200,000 tons / year
3. Plant Site : Linhares, Espírito Santo State, Brazil
4. Schedule : Basic Engineering Design and Front-End Engineering Design are scheduled to be completed by the end of 2013.

Chiyoda developed the Acetica® process, one of the methanol-carbonylation processes that use methanol and carbon monoxide as feedstock, which employs a heterogeneous catalyst for the efficient production of acetic acid. The process has tangible advantages including i) the easy-to-handle catalyst, ii) limited loss of precious rhodium, iii) efficient reactor, iv) low content of by-products, v) relatively low corrosivity, and vi) less utility consumption by loop-typed bubbling reactor system.

Chiyoda aims to contribute to the growing needs for materialization or expansion to produce acetic acid through licensing and engineering its own technology.

For more information, please contact:

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