



Another successful installation of NIIK Vortex Mixer at Gujarat Narmada Valley Fertilizers & Chemicals Ltd. (GNFC)



July 14, 2017

On July 13, 2017 NIIK and Gujarat Narmada Valley Fertilizers & Chemicals Ltd (GNFC), India signed a Guarantee Test Certificate of successful completion of the guarantee test after installation of the Vortex Mixer into the urea reactor of Urea Unit.

Based on the results of 72-hour continuous test, the parties recorded MS steam saving of 31,6 kg/MT (guaranteed MS steam saving value 25 kg/MT). Along with significant reduction of energy consumption, there were also many signs of efficiency enhancement of both HP and downstream sections. Among others, significant reduction of carbamate recycle and steam consumption to LP distillation was noticed during the GTR. CO₂ conversion in urea reactor increased by 3,3 %, urea content in the solution from urea reactor increased by 1,8 %. No pressure increase on CO₂ compressors was observed during the entire period of the GTR.

Successful completion of the guarantee test run again demonstrates high performance of NIIK Internal Devices for energy efficiency enhancement of urea plants.

For more information on Internal Devices, please contact:

Mrs Anastasia Chausova
Email: chausova@niik.ru
Mob.: +79108726638