

Increased production at ICL

Vedanta plant in Jahrsuguda consulted Befesa on a way to increase production in two of its Befesa ingot casting lines. The lines were producing about half the production capacity because by original design they had only one tilting furnace feeding each casting line. There was no space for a second furnace. Vedanta and Befesa after studying the problem decided that the way forward was to use special metal pumps, the pump permits continuous casting while charging and skimming the furnace. Selecting the pump for this environment and set up was one of the main challenges. The tilting function is maintained to allow full emptying of the furnace and bottom cleaning. Befesa took the work of doing the engineering of furnace, launders and surrounding area, equipment selection purchase and construction, installation reconditioning of the area start up and training. The work was performed during the normal shutdown of furnace for relining work.

The results were as expected, and the ingot casting line was able to cast at a rate over 500 tons per day with a single furnace

Special thanks to the team of Vedanta and to Mr. Manoj Keshari (casthouse manager), that after weighing all facts took the decision to address this very innovative and first ever approach, also to Mr R. Rajalakshman and Mr S. Sahu. whose help in project and execution was essential to the success.

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