

## 350,000 TPA Bar Mill Commissioned in record time

Rungta Mines Awarded AIC an order for the automation and Drive systems for their 350,000 TPA Bar mill in April 2022, the mill started producing in Feb 23, a record considering the supply chain constraints imposed due to COVID. The mill is closely coupled to the Caster and mill is continuously hot charged after being fed through an inductor heater to prevent any heat loss and make billets available to the Rolling mill at a temperature of 950~1000 deg C. The scope of supply consists of:

- Sinamics S120 Drive Systems for the main drives with Active Front End Rectifier and G120 drives for the auxiliary Systems
- Automation system based on S71500 systems with Profinet interface to the drive systems
- Shear and Highspeed equipment controlled by Motion controller from Siemens
- HMI systems was based on WinCC in a fully redundant client server configuration



The Complete mill was supplied by fully automatic system that set up the mill through a Recipe system which was integrated with the HMI system, the High level of Automation provided a quick learning curve and the customer benefited from ramping up the production within one week of startup.

**About Companies:**

**AIC Group** is a technological partner with extensive experience and deep know-how and stands itself as a global power control supplier and system integrator designing, manufacturing, and implementing automation systems, process control, and mechatronic solutions for both greenfield and revamping projects. Focusing on the steel and metals industries for long and flat products, the Group provides cutting-edge technical solutions by handling complex project schedules and thus establishing satisfactory and remarkable partnerships through its 6 international offices. More than 45 years of modernization for endless reliability processes.

AIC decided to enter the Asian market in 2008, selecting India as a reference point and committing to invest in the country. As the CES unit for the Indian subcontinent, **AICIN** works closely with the other units and divisions within the Group.

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