

CASE STUDY



Schenck Process India delivers train loaders at Noamundi iron ore mine



The project comprised two train loading systems, which are part of measures to increase the output of its Noamundi iron ore mines from 4 million tons per year to 7 million tons per year. The new loading systems will deliver greater speed and precision and enable maximum utilization of the goods trains transporting material to the steel plant 160 km away.

Noamundi mine, located in Jharkhand, India, is one of the best open cast iron ore mines in the world with state-of-the-art and sophisticated mining operations. Continuous improvement and upgradation of processes ensures sustainable mining and responsible utilization of natural resources.

The design specifications of the train loading system are:

Parameter	Value
Train loading type	Gravimetric
Material	Iron ore lump and fines
Loading rate	6000 t/h
Train speed	0.75-1.0 km/h
Waggons per train	60
Capacity of waggon	65 tonnes
Train loading time	60 minutes max.



Schenck Process won this significant train loading project in fierce competition and was well recognized by the customer to undertake it. With professional designing, manufacturing, installation and commissioning, our team successfully overcame local tough conditions and implemented the first train loading project at Noamundi, helping keep concise loading process to destination.



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