

Delivering Results - Retrofitting : The way ahead

Installation of cone crusher in a non-Metso plant in less than 24 hours, makes SRSSC vouch for Metso services and technologically advanced solutions

Background: The company started its operations in 1995 and was founded by Shri Ram Niwas Sharma, who is currently the Managing Director of the company. The core business of the company was of crushing aggregates using a manual crusher at Naya Gaon on Sea-link road. The first crusher bought was locally manufactured, which was manually operated and today SRSSC has a large fleet of primary, secondary & tertiary crushers along with variety of screens for the crushing business spread across India. From the nine plants spread across India, the company is supplying; railway ballast to Railways, 0-40 mm for road contractors like NCC, Afcon, Oriental, PNC etc.

History: The crushers which were initially procured in 1995, were all locally manufactured which had a constant problem of breaking down during operations. The crusher body was such that the even after thickening the walls of the crusher the crusher body used to crack, making it a huge expense for the company and even halting operations. After

encountering such issues with the local makes, SRSSC decided to invest in technology and Metso was the prime choice on this parameter. The first Metso modular plant which the company opted for was a combination of primary jaw crusher; Metso's Nordberg C106™ & secondary crusher; Metso's Nordberg GP11F™. The installation was completed in 2010 and this combination is still in operation at Biluawa, Madhya Pradesh and has crushed more than 20 lac tons till date.

Need: On site operations were halted when the cone of two-staged plant of other make cracked, leaving the plant on a halt stage. The other company who supplied the cone, were unable to provide replacement as they were no longer manufacturing the same model and were even not able to provide a quick solution to this problem. Mr. Amarnath Sharma, Director, SRSSC, commented, "The only option we had was to wait for 2 to 3 months to get the same model of the crusher or change the entire plant which again required huge investment and stoppage of work for months. The current setup comprised of jaw crusher, cone crusher, screens, hopper and were feeding to the various road projects."

Solution: At this juncture, it was Metso Services team, who were called to furnish a quick and technologically advanced solution and to solve the issue of rising demand from the contractors. Metso's services team immediately acted on the situation and in collaboration with the design team, suggested Metso's Nordberg GP220™ cone crusher as the best alternative. It was to be placed on the existing assemble line of other make, with minor modifications in the current design frame. The pressure was immense, as 100's of trucks were stranded on the road and were waiting for the production to start. Analyzing the situation, customer demanded quick installation and even wanted to start production immediately. The services team did all necessary arrangements and made sure the installation was done in less than 24 hours, post the delivery of the crusher on site. "It was a dedicated and rigorous effort by the Metso team that they not only fitted their crusher in my old assemble line but also made the plant operational in less than 24hrs after the crusher arrived on site," commented Mr. Sharma.

"The quality & technology that Metso offers is unmatched. The company is constantly



upgrading its products and that is visible from the fact that the crushers we bought in 2010 and the one which we bought recently are completely different in terms of technology. The recent one, i.e. the Metso's Nordberg GP220 with IC automation is by far the most advanced crusher in the market," shares Mr. Amarnath Sharma, Director, SRSSC. "Another difference Metso creates after supplying their equipment is they provide best of services through its exceptional Services team, which works and delivers beyond expectations. The guidance and on-spot service personnel availability has increased uptime of our plants and even reduced the cost by many folds for us."

Currently, the plant is able to produce 190-200 tons of 0-40 mm aggregates per hour post installing GP220 cone in the existing plant. The GP 220 is capable of producing 250 tph of

0-40 mm aggregates, but due to the existing old assemble line and the old jaw crushers, the line is unable to feed the new crusher aptly, hence the overall output is reduced.

"After analyzing the results of the new generation GP220 cone crusher and dependability on Metso services has made me immensely satisfied and now we are considering to buy two more plants (one of 500 tph and second one of 200 tph) from Metso for manufacturing of sand at Gwalior and Mumbai" shared Mr. Sharma.

Points to be highlighted:

1. Installation in less than 24 hours on non-Metso plant
2. Unmatched quality & technology
3. Unmatched service assurance
4. Producing 190-200 tph of 0-40 mm aggregates

Result: Increased uptime & reduction in operating cost