

NELCAST LIMITED



26th December 2022

To
M/s. Goyal Technochem Pvt. Ltd.,
N-90, MIDC, Hingna Road,
Nagpur – 440 016.

Dear Sir,

The Goyal Group has been associated with the Nelcast Ltd., for nearly 2 decades, initially as a LCA supplier and then as a supplier of Single Additive for Green sand – *PihBond-P-009*.

The induction of *PihBond-P-009* was initiated after a number of Technical discussions between the Teams of Goyal and Nelcast. In December, 2020, we started the trial of *PihBond-P-009* in the KW Line in Ponneri plant. Over a period of 2 months *PihBond-P-009* enriched the Sand System and the Technical Advantages experienced were more or less as stated in the Proposal. Nelcast insisted that for ensuring the consistency of performance, the trial be extended for a further period of 2 months.

With use of *PihBond-P-009*,

- ✓ The additive consumption was reduced by nearly 35%
- ✓ Issues on Sand Sticking to castings and metal penetration were reduced considerably, giving a reduction in Shot Blasting Time by nearly 35%, enabling our castings to be dispatched faster. As a result of overcoming the bottleneck in Fettling, we were able to attain our Rated capacity and even exceed the same.
- ✓ On account of the sand retention in the system, New sand addition reduced by more than 700 MT per month
- ✓ Finish of castings improved considerably.
- ✓ Machining rejections reduced by 0.5%.
- ✓ There was a reduction of weight of castings by around 0.85%
- ✓ The waste sand disposal reduced considerably on account of reduced Additive and New sand
- ✓ Nelcast was able to add back into the system the entire Dust Collector Fines generated.

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ISO 9001 : 2015

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