

News Letter No: 92

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Sub : Melting system upgrade.

In order to meet the looming power shortage in India, Magna is planning in advance to install high density induction melting furnace, which will enhance productivity for the same load and also decrease energy consumption.

This furnace is the first in upgrading the complete melting system in Magna and is the stepping stone to achieve the future melt requirements of Magna when Magna doubles its capacity by 2011.



This new induction furnace to be installed in Magna by January 2010 has the best available technology in the world and has the following features:

1. Digital load cells to measure the weight of the charge material and liquid metal.
2. Programmed melt control unit to accurately control the melt composition and power input.
3. Crucible push out device to remove the old lining materials.
4. Furnace hood capable of capturing all emissions

This new furnace with a power input of 1500 KW can deliver upto 52 MT of liquid metal per day with lowest possible power consumption and will replace the existing furnace.

In anticipation of acute power shortage in the coming years expected throughout India, Magna has proactively reacted to meet the increased customer demand once the prevailing recession is over with reduced power consumption and with minimum demand.

This new furnace will enable Magna to:

1. Cater to the requirements of customers even with 30% power cut announced by the state electricity board.
2. Become one of the most energy efficient foundries in the world.
3. Improve working condition of its employees.
4. Improve metallurgical consistency of the castings produced.