



## **A&B Foundry and Machining (India)**

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## THE COMPANY AT A GLANCE

- A&B Foundry and Machining (India), is a state-of-the-art metal foundry located approximately 40 kms. from the capital city of New Delhi, in Prithla, Haryana, India.
- The company is engaged in the manufacturing of Iron, Steel & Steel Alloy castings, specializing in Manganese steel castings used in the stone crusher industry.
- Currently the company is capable of designing, engineering, and manufacturing castings ranging anywhere from 100 kgs. to 3000 kgs. in weight.

## TARGET INDUSTRIES

- Stone Crusher Industry
  - Jaw Plates, Concave, Mantle, Cheek Plates, Side Plates, Wedges, Blow Bars, and liners.
- Railways
  - Turbine Casing, Blower Casing, Impeller, Pump Casing, Gas Inlet Casing, and Axles.
- Earth Moving Equipment Industry
  - Axles, Teeth and Brackets.
- Power Plants
  - Inner & Outer casing, Base Plates, Valve Body, Impellers, Liners, Rollers, Hammers, Bull Rings, Cover Plates, Pump casings and Wicket gate.
- Steel Plant
  - Slag Cup, Gears and Gear Box.
- Sugar Mills
  - Bearing Housing, Rollers, liners, and Pinions.
- Rolling Mills
  - Rolls, Rings and Bearing Block



## EQUIPMENT & FACILITIES

- The plant is spread across 2 acres of land parcel with 24,000 sqft. of shop floor space constructed (excluding office block), and another 24,000 sqft. planned for future expansion.



- Melting Section
  - Installed capacity of melting over 800 tons of liquid metal/month, through its 3000 kgs. capacity induction furnace- Electrotherm make.
  - Oil fired Ladle-preheater.
  - Top & Bottom pouring ladles of various capacities.
- Moulding Section
  - Complete setup for hand moulding using CO<sub>2</sub> silicate process.
- Fettling/Finishing
  - Pencil hand grinders, heavy swing frame grinders, pneumatic chipping machines, welding machines, turning & milling machines etc.
- Heat Treatment Section
  - Oil/Gas Fired 10 Ton capacity heat treatment furnace along with water quenching tank and material lifting crane.
- Quality Checking
  - 100% Visual Inspection of all castings.
  - Online Spectral Analysis of every pour using Spectrometer (Thermo Fisher ARL).
  - Physical, Non-Destructive Testing (NDT) performed as per customer requirement.



## WHY US?

- The Company enjoys a strong technical partnership with A&B Foundry and Machining LLC - a Franklin, Ohio, USA based company that has been operating in the foundry industry for over 50 years and is a reputable name across the globe for non-ferrous based castings.
- The Company has the capability to cast large Iron & Steel Castings with the most stringent & complex specifications as per customer/industry standards.
- The Company possesses pattern making, fabrication & CNC machining capability, thus providing a one-stop-shop for all its customer needs.
- The Company possesses a 10-metric ton heat treatment furnace with added capability of either Quenching, Annealing, Tempering or Normalizing the product.
- The Company possesses in-house capability to carry out elemental analysis of each of its pour using a spectrometer (Make Thermo Fisher ARL)
- The Company also utilizes computer aided designing/machining (CAD/CAM) software's such as AutoCAD, SolidWorks, and DesignCAD to develop drawings pertaining to casting layout, engineering, and process control.
- Company's unwavering commitment to quality, on-time delivery, competitive pricing and complete customer satisfaction enables it to stand out among its peers.