



PATIL FOUNDRY BOKARO

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PATIL FOUNDRY BOKARO

PATIL FOUNDRY BOKARO, strategically near Bokaro, Jharkhand, is a manufacturing unit with the capability of providing a total solution to railway and other customers looking for casting parts in ductile iron castings. Spread over an area of 14000 square meters, the foundry is equipped with a Disa Match-130 High Pressure Moulding Line and Arpa -450 Jolt Squeeze line. A fully automatic sand plant with an Disa SAM Mixer with SMC, Tri-trak Electrotherm Induction melting furnace, Spectrometer and Disa shot blasting machine are few of the key equipment supporting the foundry.





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Our CommitmentTotal Customer Satisfaction.

We believe in team work , meeting global standards of price challenges, immediate customer response and commit ourselves to total customer satisfaction.

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Foundry equipped with a speed of 120 mold per hour on Disa Match -130, which helps the foundry in producing castings of large volumes. Castings can be accommodated with mold size of 508 x 610 x 150 /200 mm.



Inductotherm Make State of the Art 'Visi Press Auto Pour' of 2 ton Capacity for online pouring on High Pressure Molding Line.

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And foundry equipped with Arpa -450 with a speed of 50 mold per hour, which helps the foundry in producing in a box size of 650 x 700 x 150/150 mm with motorized hoist pouring system.





Electrotherm tri - track induction furnace with four crucibles (One Standby) of 1500 kgs. each is used for melting and delivers molten metal at the rate of 6000 kgs. per hour. It is having a Foundry Power Utilizer, which is a highly accurate device to control furnace power using intelligent digital controller. FPU ensures optimum utilization and prevention of overshooting of the foundry's sanctioned KVA.



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Sand Preparation Plant:

Capacity is 30 MT/ Hr. with Disa SAM-3 Mixer & SMC (Online Sand Testing) having Load Cell weighing arrangement and control by PLC (SCADA), convey the sand to sand supply unit for Disa Match & Arpa Machines.



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From design to
finished product...

... Patil Group

Means

Quality



Customers geometrical data/
drawings & specifications of a
new part for development, go
through our design department
to identify detailed production
processes including stage wise
development plans, drawings,
process control plans, gauging
details/ drawings, R&R study of
gauges, calibration plan for
Gauges/ Masters and Statistical
Control Plans.

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Quality Assurance :
The Laboratory & Standards Rooms are fully equipped to ensure a high consistent quality level right through the manufacturing to the finished product. Our quality departments with experienced & trained personnel work with standard control equipment to carry out routine tests/analysis.



We have facilities for Chemical/ Metallographic analysis & Physical testing in-house. These include Universal Testing Machine, Hardness testers, Hammer Test, Image analysis software with computer interface to evaluate Phase volume (Matrix) & Graphite analysis (Flake/ Nodule size and count) etc.



A Inspection department exists for visual and dimensional inspection. This is equipped with the measuring instruments, gauges, masters, checking fixtures are stored and used.

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SPECTROMETER:

SPECTROLAB from Metal Power is an emission spectrometer which has facility to check 24 elements in a chilled sample which enables it to maintain the chemical composition very accurately.

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Railway Insert

Patil Group specializes in components like Railway Inserts, Base Plates and other components for various applications.



Base Plate



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PATIL FOUNDRY BOKARO

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