



## INTRODUCTION

TO

**M/s SHRI VAIBHAV METACAST PVT. LTD**

**STEEL & ALLOY STEEL**

**FOUNDRY**

**AN ISO 9001 CERTIFIED COMPANY**

### Office & Works

**SHRI VAIBHAV METACAST PVT. LTD**

Regd. Off: 116-117 A Industrial Area Jhotwara,  
Jaipur-302012, Rajasthan

Works : 1) 116-117 A, Industrial Area Jhotwara,  
Jaipur-302012, Rajasthan

2) 111, Industrial Area Jhotwara,  
Jaipur-302012, Rajasthan

3) 19, Industrial Area Jhotwara,  
Jaipur-302012, Rajasthan

4) 20, Industrial Area Jhotwara,  
Jaipur-302012, Rajasthan

Phone No : 0141-2346126, 2340532

Email : [info@shrivaibhav.com](mailto:info@shrivaibhav.com)

Website : [www.shrivaibhav.com](http://www.shrivaibhav.com)



## INFRASTRUCTURE

	Unit –I	Unit –II
Address:	116-117A, Jhotwara Industrial Area Jaipur (Rajasthan) – 302012	19, Jhotwara Industrial Area, Jaipur (Rajasthan) - 302012
<b><u>Moulding Section</u></b>		
Process:	CO2 Sand system provisionally with alpha system (phenolic process) sand system	CO2 Sand system
Sand Mixer	i) Fully automated continuous sand mixer with capacity 20 MT/hr. including Reclaim Processor ii) Semi automated batch mixing sand plant 6 MT/hr. including Reclaim Processor.	Semi automated batch mixing sand plant 6 MT/hour including Reclaim Processor
Mould & Core Making	Floor Moulding	Floor Moulding
Sand used	High Silica sand, Olivine sand, Chromate sand	High Silica sand, Olivine sand, Chromate sand
Over head crane	1x10 MT, 2x5MT O H cranes.	1x3 MT, 2MT O H cranes.
Floor Area	10,672 Sq.ft.	3,744 Sq.ft.
Melting Division	Inductotherm make induction furnace: 2 MT, 1 MT, .5 MT	Inductotherm make induction furnace: 1 MT and .5 MT
<b><u>Finishing Division</u></b>		
Floor Area	16,200 sq. ft.	
Heat /Treatment	a) 12 MT/Batch x 1 (Oil fired) b) 15 MT /Batch x 1 (Gas fired)	10 MT/Batch x 1 (Oil fired)
Furnace size (Effective Size)	i) 1850 mm x 2400 mm x 3000 mm ii) 2700mm x 1950mm x 3850mm	1850 mm x 2400 mm x 3000 mm
Harsia Furnace (Batch Type)	15 MT/Day	
Furnace Size (Effective size)	1500mm x 5000 mm x 500mm	
Overhead Crane	5 MT, 5 MT, 5MT, 3MT, 2MT, 2MT	5MT, 3MT, 3MT
Fuel	i) Furnace Oil ii) LPG Gas	Furnace Oil
Control	i) Three Points Temperature Recorder, Optical Pyrometer ii) Six Points Temperature Recorder Optical Pyrometer	Three Points Temperature Recorder, Optical Pyrometer



# Shri Vaibhav Metacast Pvt. Ltd.

Works & Regd Office: 116-117A, Industrial Area, Jhotwara, Jaipur - 302012, Rajasthan, INDIA  
Phone : 0141-2346126, 2340532, Web Site : www.shrivaibhav.in

	Unit-1	Unit-II
Water Quenching Fully Mechanized water Quenching arrangement to ensure quench time within 30 second	i) 1 Lac ltr. Water Tank. ii) 3 Lac ltr. Water Tank	1 Lac ltr. Water Tank
Oil Quenching	Tank Capacity 15000 Ltrs	
Other Equipment	Shot blasting machine Plano Miller - 1 2500 mm Vertical Turning Lathe – 2 1400 mm Vertical Turning Lathe – 1 Gauging Machine Mig Welding Machines Arc Welding Machines Horizontal Lathe Swing Grinder Pencil Grinder Hand Grinder Angle Grinder	

=> **CAPACITY** : 9600 MT / Year.  
Max Single Piece Weight upto 3500 Kgs .

=> **PRODUCTS** : i) Plain Carbon Steel Castings.  
ii) Low alloy Steel Castings  
iii) High Mn-Steel Castings.  
iv) High Tensile Steel Castings  
v) Hi-Chrome Castings

*Manufacturers*

PLAIN CARBON STEEL, CAST IRON, ALLOY STEEL & MANGANESE STEEL CASTING & HIGH CHROME GRINDING MEDIA



## QUALITY CONTROL DIVISON:

### 1. SAND & MOULD TESTING:

- i) Compressive Strength & Dry Compressive Strength
- ii) Moisture, Clay Percentage
- iii) Sheave Analysis
- iv) Permeability, Flowability & Compatibility
- v) Shatter Index, UTS, Shear Strength, Mould & Core Hardness
- vi) Reclaim Sand Processor

### 2. PHYSICAL:-

- i) Universal Testing Machine.
- ii) Impact Testing Machine.
- iii) Hardness Testing Machine.

3. CHEMICAL : On-Line testing facility through Spectrometer

4. METALLOGRAPHIC : Microscope Image analyser

5. NON-DESTRUCTIVE :

- i) Ultrasonic Testing Machine.
- ii) DP Testing.
- iii) Magnet Particle Testing Machine.
- iv) Radiographic Testing. (Approved agency of B.A.R.C.)

ACCERDECIALS : ISO 9001-2008 CERTIFIED  
AGENCY: ROHS.



## CLIENTS

i) **MINING AND QUARRY INDUSTRY:**

**Products:** Jaw Plate, Tooth points, Track Pads, Idler, Chain Links, Impact Hammers, Mill Liners, Cage Bars, Ring and Mantle, Spares for Mining Equipments.

ii) **CEMENT INDUSTRY:**

**Products:** Impactors for crushing equipments, Mill Liners, Impact Hammers.

iii) **THERMAL POWER PLANTS:**

**Products:** Ring Hammers, Shell Liners, Cage Bars.

iv) **BLAST FURNACES:**

**Products:** Pig Moulds, Chain Links, Rollers and other mechanical spares.

v) **EQUIPMENT MANUFACTURES:**

All types of Black Castings/Rough machine Castings/finish dimension Castings in almost all the grades up to 3000Kg/Pc as per the customers Drawings.