



# BERRY ALLOYS LTD

**Build the future,  
Restore the past**

[www.berryalloys.com](http://www.berryalloys.com)



# The Company

We "Berry Alloys Limited."(BAL) are one of the leading quality producers of "Bulk Ferro Alloys" in the state of Andhra Pradesh, India. Geographically, the location of this plant is highly convenient for supplying its products in domestic & international markets.

**Berry Alloys Ltd**, has grown many folds, in aspect of value & volume. BAL started with production capacity of 36,000MTPA in 2010 and has now reached to Production capacity of 320,000MTPA and still growing.

## Salient Points

- **3 Star export House** status
- Financially **A** rated company
- **14 years** in Ferro Alloys
- We export to over **40 Countries**
- One of the **Largest Producer** of Ferro-alloys in India
- We are an ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
- We have capacity of **320,000 Ton/Annum** to produce High Carbon, Medium Carbon, Low Carbon & Low Phos Silico Manganese, Ferro Manganese.  
We also Make Ferro Silicon with Low Al & High Carbon Low Silicon Ferro



CARBON  
FOOT PRINT



We **Berry Alloys Ltd** are proudly standing on continuous customer satisfaction. We constantly strive for customers delight through quality products with consistency. We keep ourselves upgraded by utilizing our state of the art laboratory that contains all latest equipments with a professional team management system. BAL has trained and experienced quality technicians who are capable of maintaining National & International Standards. BAL reviews their continuing work stability and aims for continuous improvement ensuring the personnel's achievement.

**" 81% Regular Customers Since Long "**

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**Every Milestone We Achieve is  
a Fresh Beginning Towards  
Our Long Sighted Future.**

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## Our Growth Story

2010

2016

2018

2021

2022

2023

• <b>BAL</b> started with (Two) 2x10MVA Furnaces at Bobbili in Vizianagaram District of Andhra Pradesh, India with production capacity 36,000 MTPA.	• <b>BAL</b> increased 1x10MVA Furnace at Bobbili in Vizianagaram District of Andhra Pradesh, India & increased it's production capacity to 54,000 MTPA.	• <b>BAL</b> expanded (Two) 2x10MVA Furnaces at existing location and again increased the production capacity to 90,000 MTPA.	• <b>BAL</b> achieved <b>CRISIL A<sup>++</sup></b> rated company. • <b>BAL</b> achieved Star Export House status from Government of India.	• <b>BAL</b> further expanded (Two) 2 more Furnaces of 12MVA each at same work's place that increased the production capacity to <b>180,000 MTPA.</b>	• <b>BAL</b> further expanded with medium carbon & low carbon ferro manganese production. • <b>1 x 10MVA</b> furnace operation started in Odisha for making high carbon ferro chrome. • Roof top solar power 2.6 MW installed. • Our total capacity increased to 320,000MTPA
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# Ferro Manganese

It is a lumpy material with a metallic appearance, it is primarily an alloy of iron and manganese, it is used as a deoxidizer for steel, it is an essential alloy that helps convert iron into steel. It contains a high content of manganese and used in steel products wherein silicon content needs to be controlled at low levels. It helps to improve tensile strength, workability, toughness, hardness and abrasion resistance in steel.

It is mainly used in the flat steel, manganese-rich steel and stainless steel products. By adding the manganese as LC FEMN/MCFEMN instead of HC FEMN, approximately 80 % to 93 % less carbon is added to the steel. It helps to improve tensile strength, workability, toughness, hardness and abrasion resistance in steel.

## HIGH CARBON

Grade	Specifications
65 / 70 / 76%	Manganese - 65 / 70 / 76% min
	Silicon - 0.50% - 2%
	Carbon - 6% - 8%
	Phosphorus - 0.08% - 0.30%
	Sulphur - 0.03% max

## MEDIUM CARBON

Grade	Specifications
70 - 85%	Manganese - 70 / 75 / 78 / 80 / 85%
	Silicon - 0.5% - 2%
	Carbon - 1.5% max
	Phosphorus - 0.15% max
	Sulphur - 0.03% max

## LOW CARBON

Grade	Specifications
70 - 90%	Manganese - 70 / 75 / 78 / 80 / 90%
	Silicon - 0.5% - 2%
	Carbon - 0.8% - 1.5%
	Phosphorus - 0.08% - 0.15%
	Sulphur - 0.03% max

## ULTRA LOW CARBON

Grade	Specifications
80 - 92%	Manganese - 80% - 90%
	Silicon - 0.5% - 2%
	Carbon - 0.8% - 1%
	Phosphorus - 0.05% - 0.15%
	Sulphur - 0.03% max

# Ferro Silicon

It is an alloy of silicon and iron. silicon acts as a strong steel oxidant. used primarily in special steels and in small quantities in mild steel.

It is mainly used for the production of carbon & other alloy steels, stainless steel, cast iron, and electric steel.

It is also used for manufacture of silicon, corrosion-resistant and high-temperature resistant ferrous silicon alloys, and silicon steel for electromotor and transformer cores.



## STANDARD

Grade	Specifications
70 - 75%	Silicon - 70 / 72 / 75%
	Aluminium - 1.5% - 2%
	Carbon - 0.15% max
	Phosphorus - 0.04% max
	Sulphur - 0.02% max

## LOW AI LOW CARBON

Grade	Specifications
70 - 75%	Silicon - 70 / 72 / 75%
	Aluminium - 1% max
	Carbon - 0.10% max
	Phosphorus - 0.04% max
	Sulphur - 0.02% max

# Silico Manganese

It is a Lumpy Material with a Silvery, Metallic Appearance. It is an Alloy of Manganese, Silicon and Iron. It is a Ferro alloy widely used as a deoxidizer and an alloying element in the manufacture of steel, especially long products. It provides the necessary toughness and hardness to steel and hence, is a critical ingredient in steel making.

It is consumed in steel production like alloy steel, carbon steel, tool steel, stainless steel.



## HIGH CARBON

Grade	Specifications
60/65/68/70% 14/15/16/17%	Manganese - 60 / 65 / 68 / 70%
	Silicon - 14% - 17%
	Carbon - 1.5% - 2.5%
	Phosphorus - 0.25% - 0.3%
	Sulphur - 0.03% max

## HIGH CARBON LOW PHOS

Grade	Specifications
All Grade	Manganese - 60% - 70%
	Silicon - 14% - 17%
	Carbon - 1.8% - 2.5%
	Phosphorus - 0.05% - 0.10%
	Sulphur - 0.03% max

## MEDIUM CARBON

Grade	Specifications
55- 60%	Manganese - 55% - 60%
	Silicon - 22% min
	Carbon - 0.5% max
	Phosphorus - 0.15% max
	Sulphur - 0.02% max

## LOW CARBON

Grade	Specifications
55- 60%	Manganese - 55% - 60%
	Silicon - 25% - 27%
	Carbon - 0.2% - 0.1%
	Phosphorus - 0.05% - 0.10%
	Sulphur - 0.02% max

# Ferro Chrome

It is a type of ferroalloy, that is, an alloy of chromium and iron, generally containing 50 to 70% chromium by weight. Over 80% of the world's ferrochrome is utilised in the production of stainless steel. It is also used to add chromium to carbon steel.

It is more commonly used in specialist applications such as engineering steels.

## HIGH CARBON

Grade	Specifications
58 - 65%	Chrome - 58% to 65%
	Silicon - 1.5% - 4%
	Carbon - 6.5% - 8.5%
	Phosphorus - 0.04% max
	Sulphur - 0.04% max





## Group Companies



### CAPTAIN STEEL INDIA LIMITED

Product Name	Capacity
TMT Bars	0.8 MILLION TONS
TMT Rings	
Captain Wiro	
Captain Rust Guard	



### AVATOR STEEL PRIVATE LIMITED



A STRONG  
**FOUNDATION**  
FOR TOMORROW







# BERRY ALLOYS LTD

**Registered Office** : 21A, Shakespeare Sarani,  
5th Floor, Kolkata, West Bengal, India - 700017.

**Plant Address** : APIIC Growth Centre, Bobbili,  
Vizianagaram, Andhra Pradesh, India - 535558.

**Visit Our Website** :



**Mail Us** : [marketing@berryalloys.in](mailto:marketing@berryalloys.in)

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## Our Social Media

