



# ALLOYING STEEL FOR A BETTER TOMORROW

INFORMATION  
BROCHURE



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

# ABOUT SARDA

Sarda is the largest producer of Manganese Alloys in India. It is the leading supplier of quality manganese alloys to all major steel producers in India and across the globe. With exports to more than 30 countries, today it has become the supplier of choice for many steel companies. Driven by a philosophy of producing sustainable eco-friendly alloys of superior quality, Sarda manganese alloys are used to produce steel for sectors such as construction, automotive, heavy machinery, and household appliances.

With the commissioning of state-of-the-art 2x33 MVA Furnaces near Visakhapatnam, Andhra Pradesh, India, Sarda's total alloy production capacity has crossed 200,000 MT per annum making it the largest producer of manganese alloys in the country. Cognizant of the fact that becoming the industry leader brings more responsibility towards our stake holders, Sarda envisions itself playing a crucial role in setting new benchmarks and shifting the industry paradigm in all aspects by using the latest technology tools like SAP. Also, We have started TPM Journey to become more competent to achieve our goals.



## VISION

To become the most preferred,  
Sustainable, and largest  
Manganese Alloy producer in India



## MISSION

To build globally competitive and best-in-class products and deliver the highest value to our stakeholders and communities.

To innovate and inspire people for environment & resource conservation.

# PRODUCTS

We in Sarda Metals & Alloys Ltd. offer customized Specifications and Sizes as per the customer's requirements.

## 1. Manganese Alloys



### High Carbon Silico Manganese

Particular	Content	HC SiMn 60-14	HC SiMn 65-15	HC SiMn 65-16	HC SiMn 65-16	HC SiMn 70-14/15
<b>Manganese</b>	Min	60%	65%	65%	65%	70%
<b>Silicon</b>	Min	14%	15%	16%	16%	14-18%
<b>Carbon</b>	Max	2.50%	2.50%	2.00%	2.00%	2.50%
<b>Phosphorus</b>	Max	0.30%	0.30%	0.2-0.3%	0.2-0.3%	0.25%
<b>Sulphur</b>	Max	0.03%	0.03%	0.03%	0.03%	0.03%



### High Carbon Ferro Manganese

Particular	Content	HC FeMn 70	HC FeMn 75	HC FeMn 73-78
<b>Manganese</b>	Min	70%	75%	73-78%
<b>Silicon</b>	Min	1.50%	1.50%	1.20%
<b>Carbon</b>	Max	6.0-8.0%	6.0-8.0%	7.3%
<b>Phosphorus</b>	Max	0.30%	0.2-0.3%	0.2-0.3%
<b>Sulphur</b>	Max	0.03%	0.03%	0.03%

## 2. Captive Power Generation

In 2013, SMAL commissioned a 1x80 MW Captive Power Plant (CPP) with a Single BTG Set based on Pulverized Fuel technology in its state-of-the-art Ferro complex at Visakhapatnam. Environment Conservation has been at the core of selecting technologies and our partners. SMAL has chosen two extremely environmentally friendly technologies for its 1x80 MW CPP – Air Cooled Condenser & Dry Bottom Ash handling system which have led to almost 97% reduction in water consumption as compared to other similar-sized traditional units.



## Other Products

Two by-products generated in our production processes are – Fly Ash/Bottom Ash & SiMn Slag.

Fly Ash is generated as a by-product of burning coal. It is utilized in the production of eco-bricks which is an environmentally better product than a clay/red brick. Two properties of the fly ash – fineness and pozzolanic properties help in producing stronger bricks with lesser consumption of cement.

SiMn Slag traditionally is used as a landfill. However, we granulate it by passing it through a very high-pressure water jet to create equal-sized (~98%) fine granules. These slag granules are utilized as a filler material in eco-bricks to make them lighter and eventually reduce the steel requirement by making lighter structures. Our SiMn granulated slag quality is one of the finest in the industry and is being highly sought after by local brick manufacturers.



## QUALITY CONTROL

Quality is not just a buzzword at Sarda but a way of life. It permeates every single activity right from the most complex. Our commitment to adopting the best quality management system has defined us and differentiated us from the rest. All our operations across the organization have also been accredited to ISO international standards.

For us, human capital is the most important asset. The quality of our manpower is paramount to our growth and success. We spend a great deal of time in order to select the best people in the industry to deliver the best alloys.

## CERTIFICATIONS & ACCREDITATIONS

SMAL has established itself as a system-driven organization by getting certified by one of the esteemed certification agencies DNV.GL with ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 within a record period of 2 years from starting its production. Also, SMAL is certified as a great place to work



# OUR CUSTOMERS

We take pride in serving our customers and the quality of the relationship we have developed with them. Our diverse and reliable customer base is proof of our transparent business policies, products quality and services.



# GLOBAL REACH

Zone	Delivered (%)
Japan	36.80%
Western Asia	18.30%
Eastern Asia	15.20%
South-Eastern Asia	7.50%
Western Europe	6.80%
South America	5.00%
Western Africa	3.00%
Northern Africa	2.10%
New Zealand	1.50%
Southern Asia	1.40%
Central America	0.80%
Eastern Europe	0.70%
Eastern Africa	0.30%
USA	0.20%
Central Asia	0.10%
Middle Africa	0.10%
Southern Africa	0.10%
Canada	0.10%



## KEY PEOPLE TO CONTACT

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**FERRO ALLOYS | POWER | MINING | STEEL**

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