

VISASTEEL

Shaping the Future with Minerals & Metals



FERROCHROME



Ferrochrome Plant

VISA Steel Limited, the manufacturing arm of the billion-dollar minerals and metals conglomerate VISA Group, has commissioned 2 x 16.5 MVA Submerged Arc Furnaces in November 2007 for the production of 50,000 tonnes per annum High Carbon Ferrochrome at the Kalinganagar Industrial Complex, District Jajpur in eastern India. The Plant has been constructed with state-of-the-art technology to produce High Carbon Ferrochrome of superior and consistent quality.



Chrome Ore



Briquettes

The Ferrochrome Plant utilises a mix of hard lumpy Chrome Ore, Chrome Ore briquettes & friable Chrome Ore as its input charge material. The Chrome Ore is sourced from Orissa Mining Corporation, which is the largest supplier of Chrome Ore in India.



Hot Metal

In addition to Ferrochrome, the company produces Chrome Concentrates, LAM Coke, Pig Iron and Sponge Iron. The Company also utilises the waste heat and gases of its various processes for generating power for captive consumption. For down stream integration a special and stainless steel plant for production of 1.5 million tonnes per annum is under construction.

Ferrochrome Plant is already being expanded to produce 100,000 tonnes per annum Ferrochrome to ensure regular supplies to its customers worldwide.

As a testament to building long term partnerships with key customers, VISA Steel has also entered into a joint venture with Baosteel of China, to set up an additional 100,000 TPA Ferrochrome Plant adjacent to VISA Steel's own Ferrochrome Plant at Kalinganagar in Orissa for onward consumption by Baosteel.



FERROCHROME



VISA BAO Limited signing ceremony

Advantages of Ferrochrome from VISA Steel

Quality

- VISA Steel prides itself on its superior process control which allows it to produce a high and consistent quality product in line with customer requirements.
- The Company has invested in a state-of-the-art laboratory inside the Plant for continuous testing of the quality of raw material and finished product. Such close and regular monitoring allows efficient quality control.
- As a result, VISA Steel has been able to quickly establish its Ferrochrome product across several markets, including USA, Europe, CIS and Far East Asia.

Stability

- With the plant located only 35 km away from the Sukinda Valley (India's Chrome Ore belt), VISA Steel is ensured a regular and stable supply of Chrome Ore. Further, the Company is also developing its own Chrome Ore mines through Ghotaringa Minerals Limited.
- Captive power generation by VISA Steel as well as grid connectivity with a 220 KV line enables a stable power supply.
- Integrated Coke production provides VISA Steel self-sufficiency in LAM Coke, which is combined with imports of special grades of Low Phos & Low Sulphur Coke as required for production of special grades of Ferrochrome.

Logistics

- *Domestic*-The Plant is located near NH-5 and Jakhapura Railway Station which allows efficient road & rail movement to any destination in India.
- *International*-The Plant is in close vicinity to deep-draft ports-Paradip for shipments in bulk and Haldia & Visakhapatnam for shipments in bulk and/or containers-thereby allowing exports to be made to any destination around the world.

Customisation

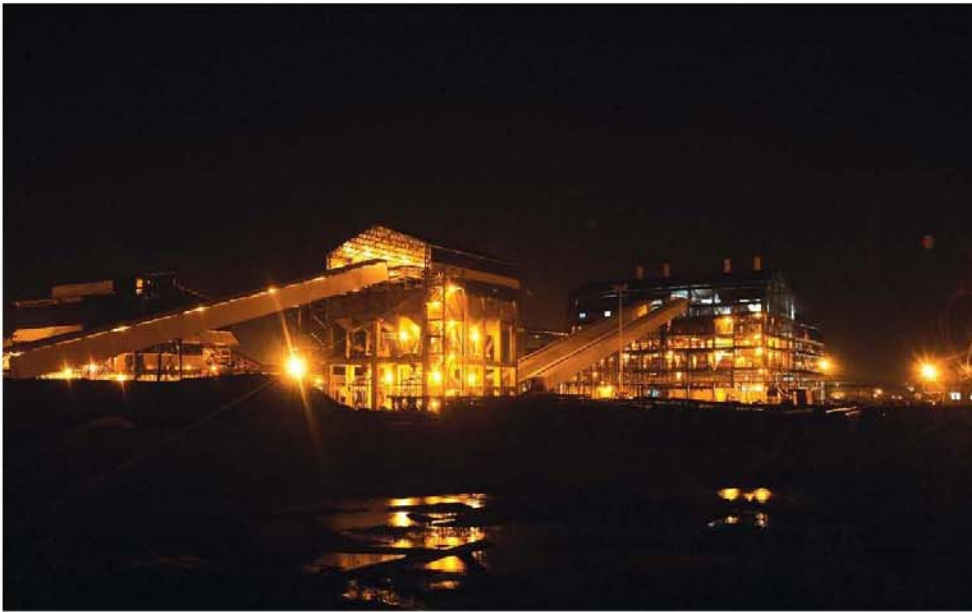
- VISA Steel can provide special customised grades of product as per requirements of various end-users, for example in terms of Silicon & Phosphorus levels in the Ferrochrome.
- It can also offer its product in different physical sizes as per customer requirements.

Packing

- VISA Steel can offer its Ferrochrome loose in bulk or packed in 50 kg/1000 kg bags, as per the customer's requirement.

VISA Steel intends to emerge as the preferred supplier for Ferrochrome to customers around the world.





Night view of the upcoming Ferrochrome Plant

Specifications

Grade	Low Si-1	Low Si-2	Low Phos-1	Low Phos-2	Std. Phos-1	Std. Phos-2
Cr	62% min	60% min	60% min	60% min	60% min	58% min
Si	2.0% max	2.0% max, 2.5% max, 3.0% max	4.0% max	4.0% max	4.0% max	4.0% max
C	8.0% max	8.0% max	8.0% max	8.0% max	8.5% max	8.5% max
P	0.03% max	0.03% max	0.02% max	0.03% max	0.05% max	0.05% max
S	0.04% max	0.04% max	0.04% max	0.04% max	0.05% max	0.05% max
Size Range 10-50 mm, 10-100 mm, 10-125 mm, 10-150 mm, 5-200 mm and as per specific customer requirements. Over size & under size not to exceed 5% each.						

Grade	Chips	Fines
Cr	56% min	55% min
Si	4.0% max	5.0% max
C	8.5% max	8.5% max
P	0.04% max	0.05% max
S	0.04% max	0.05% max
Size Range	3-10 mm	0-10 mm

VISA Steel Limited

Registered Office

Bhubaneswar

VISA Steel Limited
 VISA House 11 Ekamra Kanan
 Nayapalli Bhubaneswar 751015
 Phone +91 674 2552479
 Fax +91 674 2554662

Corporate Office

Kolkata

VISA Steel Limited
 HLL Building
 9 Shakespeare Sarani Kolkata 700071
 Phone +91 33 30519000
 Fax +91 33 30519001/2

Plant Office

Kalinganagar

VISA Steel Limited
 Kalinganagar Industrial Complex
 PO Jakhapura Dist Jajpur
 Orissa 755019
 Phone +91 6726 242441
 Fax +91 6726 242442

For trade enquiries contact

Marketing Division Corporate Office Kolkata

Website www.visasteel.com Email marketing@visasteel.com