

SMO Ferro Alloys Pvt. Ltd.



Slag Processing Project



📍 Head Office:

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Jaora Bypass Road, RATLAM
457001, Madhya Pradesh

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📍 Factory Unit :

101-104, AKVN, Industrial
Area, Meghnagar Dist.
Jhabua 457779,
Madhya Pradesh

Proposed Unit Address

Chandrapur
Durgapur

Future Planning Location

Raipur
Vishakhapatnam

Introduction

WELCOME TO SMO, WHERE VALUES MATTER.



Silico-manganese slag is a by-product of silico-manganese alloy production, and its major oxide components are SiO_2 , CaO , Al_2O_3 , and MnO .

In the initial phase, we had kept all the slag as it is, then in the year 2020, we started research in it, then we found that by crushing and jigging, we can extract metal from it in small size.

The metal extract after processing is used in Production of medium carbon Ferro Manganese and Steel Making Industry .

About us



SMO Ferro Alloys Private Limited is established in the year 2018, having its registered office situated at 1 Wahid Nagar, old bypass road, district Ratlam, Madhya Pradesh with its plant located at –

1. Current Unit - 101-104, AKVN Industrial Area, Meghnagar, District Jhabua, Madhya Pradesh,
2. Proposed Unit – Chandrapur and Durgapur

SMO Ferro Alloys has firmly gained a good reputation for meeting quality standards and timely delivery of products to our clients. With our deep acumen and expertise in Ferro alloys industry; we are successfully producing multiple Ferro alloy products and Processing of Ferro Alloys slag and continuously increasing our production capacity.

Our History



- It all started when Mr. Saiyyed Akhtar ali, A Son of Farmer, has started sub- contractorship in 1986 at vary young age individually, he was single Piller of his family, has been started doing work with single tractor, for suppling stones on sub-contractorship. After that he shift his to work in coal Ash.
- Later in 2003, Mr. Saiyyed Akhtar ali, backed with a decade full of experience ventured in the world of construction formed a Partnership Firm **M/s Saiyyed Akhtar Ali** with his mother, **M/s SAA** had a crystal clear vision and mission to have a remarkable footprints in Construction industry, Soon Firm has been awarded as **Class A PWD Contractor**, Saiyyed Akhtar ali also promoted his two brothers Mr. Saiyyed Mohbbat Ali and Mr. Afsar ali, by joining them in Partnership firm.
- From 2003- 2011,group was doing business of construction and mining in same firm, after that in 2012 group diversified its portfolio in the field of manufacturing of ferro alloys (Metal) by taking Job Work contract at meghnagar, Jhabua (M.P.)
- Later in 2018,group has formed a Private limited company by the name of **SMO ferro alloys private limited** with a vision to take over a Manufacturing unit of Ferro Alloys on lease.

- In 2019, Group has been taken Two Manufacturing Units of Manganese oxide (chemical) at Meghangar, Jhabua (M.P.), in the firm M/s Owais Ali Overseas Prop. Saiyyed Owais Ali and M/s Gharib Nawaz infra (A Family Owned Partnership Firm). During Manufacturing of Ferro alloys , group was concern about Waste (Slag) generated by their Own Plant , because Group was paying huge handling cost for that, Later in 2020 Group in House developed Processing technology of processing that Slag and extracting metal out of it, This was Huge development of Group. Group has been developed an In house Processing unit for processing of Slag and Started Working on 0% Wastage Policy, because after extraction remaining material is being sold to Construction projects.
- Group has Added A Mine of Granite, Quartz and Feldspar and An Oxygen Manufacturing Unit (to help for Covid) in their Assets Bucket in 2021. Later in 2022 , Group has started doing research on extraction of Valuable content from each and every type of Mineral and Industrial Wastage (Extraction of Gold, Silver, Lead, Zinc, Copper, lead, Tin, Tantalum, Niobium).
- Now Today's Position, we are having an outlook for the prospering, expanding and enlarging group by introducing new flags to our group by introducing subsidiaries of Our Flagship company M/s SMO Ferro Alloys Private Limited, for executing all above working on a Larger Level.
- One of Our Company is being also recognized as Start up for our Innovative Process.



VISION

To be recognized as world leading manufacturing, mining and processing industry, focused on growing sustainable production, delivering on our commitments for excellence.



MISSION

To grow by continually providing useful and significant services, and solutions to markets we already serve — and 'to expand into new areas that build on our competencies and customer interests.

CORE VALUES

SMO GROUP will safely deliver superior quality work to clients by actively embracing core values:



Safety:

Provide an environment In which our employees can do their work efficiently and effectively.



Integrity :

Conduct our business legally and ethically; build lasting relationships through honesty, respect, and trust with our employees as well as our business partners.



Care for our employees:

Recognize that our greatest asset is our people by providing them with opportunities and support to help them reach their full potential, fostering personal responsibility in the process.



Timely delivery:

Ensure to complete the project and deliver the product within the timeline every time so that we save on operational and labour cost for clients.



Waste management

We are focusing on doing work on 0% Wastage policy.

Our Infrastructure facility

Through operational excellence, processing capability and start of the art infrastructure which is at par with international standards, Mohabbat focuses on large scale expansion of its product portfolio in India and emerge as a leading natural resource conglomerate. The Company is operating at the location 101-104, AKVN, Industrial Area, Meghnagar, Jhabua,(M.P.)- 457779 India

With a plant capacity as follows

Current Unit Address	Proposed Unit Address	Future Planning Location
101-104, AKVN, Industrial Area, Meghnagar	Chandrapur Durgapur	Raipur Vishakhapatnam



The Company has sufficient land and factory shed for processing of above referred products at above factory address with other necessary infrastructural facilities such as power, water, labor etc. The Company has sufficient plant and machinery at the premises for the processing. **For the further future expansion opportunity for the firm is that for the processing of slag at different location .**



For processing of slag both machine and labour required. We have a fully automatic plant and machines available and also we work in the Tribble area where there is sufficient availability of cheaper labours.

Future Project Details

Group Name	SMO Ferro Alloys Pvt Ltd
Current Running Unit Location	Meghnagar, Jhabua (M.P.)
Proposed Unit Location	Chandarpur (Maharashtra) and Durgapur (West Bengal)
Future Planning Location	Raipur, Vishakhapatnam
Industry Type	Slag Processing Industry
Proposed Plant Processing Capacity	10,00,000 Ton /annum Each Location
Finished Goods	Silico Manganese Metal Ferro Manganese Metal
Recovery Ratio	4%
Raw Material Sourcing	Ferro Alloys Plants
Processing Cycle	Same Day
Uses of Finished	Tie up with Manufacturing Unit
Project Stage	Running unit at Meghnagar, plant development is going on at Chandarpur and Durgapur, Land is to be identified at Raipur and Vishakhapatnam.
Funding Required	Fixed investment- 40 Crores and Working Capital - 20 Crores (10 Cr as Fixed and 5 Cr as Working requirement for each Unit)
Time Limit for Start for commercial Production	6 Month from receiving funding.
Turnover Summary	Approx Rs.-1000 Crores Yearly-For Four unit
EBITA Ratio	50%
Pay back period	1.20 Month
DCF Valuation for Project life	Rs. -5200 Crores
Detail of Capex (each Unit)	Amount (in Cr)
1. VSI	4.25
2. Zigging	1.50
3. Washer	1.50
4. Separator	1.00
5. Site Development & Infrastructure	1.75
Total	10.00

Key Feature of the Plant

- Good infrastructure is available in the vicinity of Plant; some of the key features are listed below:
- Easy availability of key raw materials
 - **Slag** - Slag is by product of Silico manganese in Ferro alloys and it is available in bulk quantity at different-different location like - Raipur , Durgapur, Vishakhapatnam, Chandrapur etc.
 - **Labour**- Meghnagar is a tribal dominated area and has adequate labour population which is available at cheaper rate.
 - **Water**- Availability of adequate water bodies are there which insures continuous water supply.
- **Selling**- Meghnagar is situated between Gujarat - Madhya Pradesh and Rajasthan and is approx. 50 km from Gujarat and Rajasthan border. Gujarat, Madhya Pradesh and Rajasthan are the three major consumers of Silico Manganese. This location helps us in minimize our transportation cost and also labour cost. Today market is fast Growing in Consumption of Metal



Our Management Team



Mr. Saiyyed Akhtar Ali

The Superlative Managerial decision maker backed by the decade long experience in handling the Construction, Manufacturing and Mining Business. His expertise on the operational side of the Business is commendable, his presence in every project is the reason behind excellent execution. The Group's Success and Growth in these two decades are the result of his business decisions. He keeps his eye on the Metal and Mining Business of the Group. He is always enthusiastic about adding new verticals to the Group, in addition to the Construction and Mining Business Mr Sayyad Akhtar Ali is actively associated with philanthropic work. He believes in being associated with the roots. He as a son of a farmer is associated with organic farming and owns Agricultural Land equipped with advanced technology. His life has been a journey worth knowing and an inspiration to many people. Saiyyed Owais ali is being engaged in Mining of Major, precious and rare earth activities. His core business is this.



Mr. Saiyyed Owais Ali

Young, Dynamic and the new generation Civil Engineer. Always ready to apply his knowledge and plan things in an efficient manner. He totally involves in mining business, **Allotment of India's Biggest Manganese ore Mines is result of his efforts.** He is always keen to work on new ideas & thoughts and wishes take the Company to the new heights peaks. His roles means he is directly involved in Group activities very diligently.



Mr. Saiyyed Murtuza Ali

Youngest and Enthusiastic Director of our Company. He is mainly focused on the Diversified Business Market. His capabilities and vision will lead the Group to new heights. He understands the impact of his family business and its legacy that new relies on him to ensure it Continues. Now **Group is being involved in Processing of Wastage is only because of him, he visited almost PAN India Industries for procurement of their wastage for further processing.**

Raw Material

By Product of Ferro Alloys Industry



SMO FERRO ALLOYS PVT. LTD.

Plot No. 101-104 A AKVN Industrial Area Meghnagar
Dist. Jhabua (M.P.) 457779 Mo.8656069252
[info@smoferroalloys.com, www.smoferroalloys.com]

GSTIN No-23ABBCS2031E1Z2

Test Certificate

S.no. 153

[ISO 9001:2015]
GACB6962

Date: 19.06.2023

Certified that a sample drawn from the total quantity of.....M.T.

of Silico Manganese slag lumps of.....

Grade dispatched to.....

M/s.....

Has the following analysis/Specifications

Truck No.	1. Manganese	MnO :- 14.20 %
Invoice No.	2. Silicon	SiO ₂ :- 39.10 %
Invoice Date	3. Carbon	FeO :- 01.46 %
Size		CaO :- 16.40 %
		MgO :- 05.20 %
		Al ₂ O ₃ :- 20.74 %

M. S. [Signature]
Manager (Quality Control)
PVT. LTD.

Process Chart

- Raw material



- Crushing



- Jigging

Washer



Automatic Jig




Manual Jig



Finished Metal



 **SMO FERRO ALLOYS PVT. LTD.**
Plot No. 101-104 A AKVN Industrial Area Meghnagar
Dist. Jhabua (M.P.) 457779 Mo.8656069252
[info@smoferroalloys.com, www.smoferroalloys.com]

GSTIN No-23ABBCS2031E1Z2

Test Certificate
[ISO 9001:2015]
GACB6962

S.No. 152 Date 19.06.2023

Certified that a sample drawn from the total quantity of.....M.T.
of Silico Manganese Digging Metal of.....
Grade dispatched to.....
M/s.....

Has the following analysis/Specifications

Truck No.	1. Manganese	Mn	50.46 %
Invoice No.	2. Silicon	Si	15.20 %
Invoice Date	3. Carbon	C	02.20 %
Size		Fe	30.96 %
		P	0.320 %
		S	0.028 %

M. S. FERRO ALLOYS
Manager (Quality Control)
Signature
SMO FERRO ALLOYS PVT. LTD.

Costing

Particulars	UOM	Value
Raw Material cost	Ton	50
Transportation	Ton	850
Processing cost	Ton	200
Total Cost	Ton	1100
Sale Value (Recovery 4%)	40 kg@ 50,000/ton	2000
Net Profit		900
Remaining Material Sale to Construction	960kg@100/ton	96
Net Profit		996

Market

Silico Manganese – Silico Manganese is used in steel industry in the. Our market is at Madhya Pradesh, Gujarat and Maharashtra which is near our location as we are sitting in the middle of the Maharashtra and Gujarat.

Parties of Silico Manganese:

- Kesar Ispat
- PN Alloys
- Godhra Rerolling Mill
- Impex Commercial Pvt. Ltd.
- Owais Ali Overseas



SWOT ANALYSIS

STRENGTH

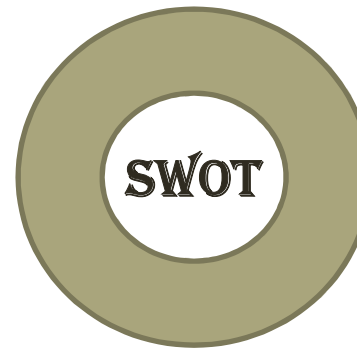
- Promoters are having due experience of the very industry.
- Already established & satisfactorily operated business so far, since last 5 years.
- Already gain the recognition for quality produces and recognized as quality supplier in Fertilizer market and electrical market.
- Management has proved its strength to manage the business by available resources including finance.
- eFinancial discipline and back up of the company is found satisfactory experienced by the banks.
- The all locational advantages and internal and external facilities and amenities are also available to the project proposed.
- Already having sufficient infrastructural facilities

OPPORTUNITIES

- Overall encouraging Govt. Policies for industries, especially Fertilizer industry.
- Demand scenario of the products is encouraging in Domestic as well as in International market.
- The establish relationship with existing and further and additional demand of products will facilitate the modernization and production thereby.
- There is very plus advantage is that some of finished material is used by our sister concern at Meghnagar.
- Acquire Mine at Rajasthan for manganese ore which is main raw material for the new expansion.

WEAKNESS

- Competition prevails in the open market.



THREATS

- The company will have to constantly aware in respect to quality, timings & pricing to prevent the threat from existing competitors as well of future.
- The Raw Material prices are volatile, mainly affected by Domestic Pricing and any change in near future may affect the economics of the Company as well as the projections.

Future projection

Particulars	Turnover [Amount (in Cr)]				
	Year 1	Year 2	Year 3	Year 4	Year 5
Meghnagar					
Silico Manganese	3.60	3.67	3.75	3.82	3.9
Shivgarh					
Ferro Alloys	4.76	5.22	5.69	6.17	6.67
Chandrapur					
Silico Manganese	250.00	255.00	260.10	265.30	270.61
Durgapur					
Silico Manganese	250.00	255.00	260.10	265.30	270.61
Raipur					
Silico Manganese	250.00	255.00	260.10	265.30	270.61
Vishakhapatnam					
Silico Manganese	250.00	255.00	260.10	265.30	270.61
Total Revenue	1008.36	1028.89	1049.84	1071.19	1093.01

Income Tax and Turnover Summary

Financial Year	Turnover (Cr.)	Income tax (Cr.)
18-19	5.33	0.053
19-20	67.33	0.62
20-21	56.65	0.53
21-22	107.23	0.053
22-23(Provisional)	110.96	2.66



Gallery



**Thank
You**

