



# IRON ORE MINING OPPORTUNITIES IN NIGERIA



PRESENTED BY

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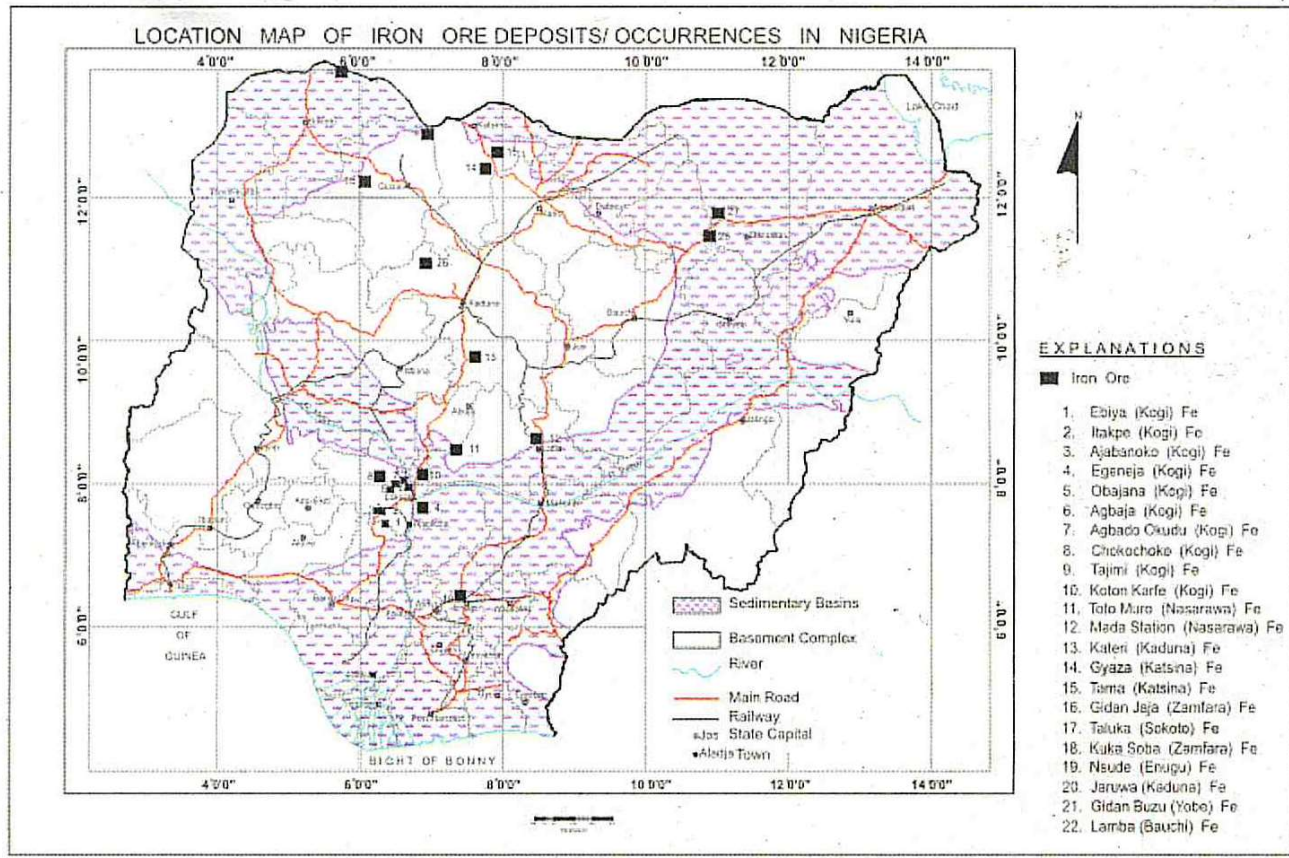




## INTRODUCTION

- ❖ Nigeria is endowed with two broad types of Iron Ore:
  - ✓ Banded Iron Formation (BIF) - Metamorphosed folded bands associated with the Precambrian basement complex such as Agbado Okudu, Ajabanoko
  - ✓ Cretaceous Sedimentary (oolithic) iron ores that are lateritic in nature (Agbaja, Pategi, Nsude)







## OVERVIEW OF SOME IRON ORE DEPOSITS IN NIGERIA

SN	LOCATION	TYPE(S)	EXPLORATION STATUS	TENOR %Fe (Deleterious Element)	RESERVE
1.	Agbaja	Limonite Maghemite, Geothite, Siderite	Ongoing	%Fe - 46.8 %P - 2.11	1150 Mt (Inferred)
2.	Koton Karfe	Limonite, Meghemite, Hendatite, Siderite	Completed	%Fe - 51.6 %PP -2.36%	850 Mt (Measured)
3.	Ajabanoko	Magnetite	Ongoing	%Fe - 36.4	36 Mt (Measured) 26Mt (Inferred)
4.	Ebiya	BIF	Ongoing	%Fe - 34	10 Mt (Inferred)
5.	Jaruwa-Kango	Hematite Magnetite	Ongoing	%Fe - 54.72 %P - 0.34	20 Mt (Inferred)





## OVERVIEW OF SOME IRON ORE DEPOSITS IN NIGERIA

SN	LOCATIO N	TYPE(S)	EXPLORATIO N STATUS	TENOR %Fe (Deleterious Element)	RESOURCE
6.	Yola Nora	Magnetite	Ongoing	50	25 Mt (Inferred)
7.	Gidan Buzu	Hematite	Ongoing	49 (%P - 1.6)	30 Mt (Inferred)
8.	Gidan Jaja	Magnetite	Ongoing	60	25Mt ( Inferred)
9.	Tajimi	Hematite and Magnetite	Ongoing	40	25 Mt (Inferred)
10.	Gujeni	Magnetite	Completed	32	26 Mt (Inferred)
11.	Patigi	Hematite	Ongoing	46	48 Mt (Inferred)
12.	Garin Buzu		Ongoing	58	65Mt (Inferred)





## WHY INVEST IN NIGERIA'S IRON ORE RESOURCE

- ❖ Government's desire for diversification of Nigerian economy through mineral exploitation, especially the steel sector
- ❖ Easy access to Mineral Rights
- ❖ Availability of Incentives and guaranteed security of tenure
- ❖ Stable political and social environment
- ❖ Availability of professionals and technical manpower
- ❖ Availability of relevant geoscientific data
- ❖ Privatization and liberalization of the minerals industry with government playing only regulatory roles





## NATIONAL STEEL RAW MATERIALS EXPLORATION AGENCY

- ❖ National Steel Raw Materials is an Agency of the Ministry of Mines and Steel Development that has been in existence since 1971 as an Exploration and Mining Division of the defunct Nigeria Steel Development Authority (NSDA)
- ❖ It became a corporate body in 1992 through the enactment of Decree 49 of 1992
- ❖ It has the mandate to amongst others:
  - ✓ Carry out exploration of steel raw materials in all parts of Nigeria and elsewhere for the iron and steel industry,
  - ✓ Establish and execute a steel raw materials base for the country
- ❖ The agency also renders consultancy services to mineral title holders and the general public in the areas of:
  - ✓ Mineral Exploration services including core drilling amongst others
  - ✓ Geotechnical studies
  - ✓ Hydro-geological investigations
  - ✓ Characterization of minerals and rocks (physical, chemical, mineralogical and process tests), amongst others





## CONCLUSION

- ❖ Availability of iron ore resources in Nigeria have been established by exploration activities conducted by BRGM of France and the National Steel Raw Materials Exploration Agency ( NSRMEA) kaduna
- ❖ Iron ore resource of more than 3.9 billion tonnes of oolitic iron ores has been established to exist in Lokoja area alone
- ❖ Issues with the oolitic iron ores have been their high phosphorus content, which can now be removed during steel making
- ❖ Recent discoveries of phosphorus free iron ore resources, particularly in the North Western Part of the Nigeria further increases iron ore investment opportunities, especially with the demand for local production of primary steel
- ❖ Investors are thus invited to consider investing in Nigeria's iron ore resource and patronizing NSRMEA for mineral exploration services







**THANK YOU FOR YOUR ATTENTION**

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