

STATE REVIEWS



Indian Minerals Yearbook 2019

(Part- I)

58th Edition

**STATE REVIEWS
(Goa)**

(ADVANCE RELEASE)

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES**

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GOA**Mineral Resources**

Goa is well-known for its iron and manganese ores. Bauxite and laterite are the other minerals produced in the State. Iron and manganese ore belts extend from south-east to north-west of the State. Manganese ores are associated with iron ores and occur as pockets of various sizes in the form of concretionary pebbles in shales. Important **iron ore** and **manganese ore** deposits are located at Bicholim, Sanguem and Satari talukas. **Bauxite** occurs in the North and South Goa districts; **kaolin** reportedly occurs in South Goa district, while **quartz/silica sand** deposits occur in both North and South Goa districts (Table -1).

Exploration & Development

No exploration activity was reported by any agencies during 2018-19.

Production

Bauxite was the only major minerals produced in Goa. The value of minor mineral's production is estimated as ₹ 54 crores for the year 2018-19. There were 50 reporting mines in 2018-19 in case of MCDR minerals. (Table - 2).

Mineral-based Industry

The present status of each Mineral-based Industry is not readily available. However, the principal Mineral-based Industries in the Organised Sector in the State are provided in Table - 3.

**Table-2: Mineral Production in Goa, 2016-17 to 2018-19
(Excluding Atomic Minerals)**

(Value in ₹'000)

Mineral	Unit	2016-17			2017-18			2018-19 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		89		12069849	90		13147147	50		545680
Bauxite	t	1	-	-	1	4378	876	1	518	104
Iron Ore	'000t	82	9170	11555369	86	10279	12616879	47	-	-
Manganese Ore	t	6	-	-	3	-	-	2	-	-
Minor Minerals		-	-	514480	-	-	529392	-	-	545576

Note : The number of mines excludes minor minerals.

Table – 1 : Reserves/Resources of Minerals as on 1.4.2015 : Goa

Mineral	Unit	Reserves					Remaining resources					Total resources (A+B)	
		Proved STD 111	Probable STD121 STD122	Total (A)	Feasibility STD211	Pre-feasibility STD221 STD222	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334	Total (B)		
Bauxite	'000 tonnes	12357	- 1207	13564	14919	1097	10121	6820	-	8646	-	41603	55167
China clay [#]	'000 tonnes	-	-	-	-	-	16	-	-	-	-	16	16
Iron ore (Haematite)	'000 tonnes	297271	34709 26259	358239	301806	214187	134955	15286	11535	141558	11747	831074	1189313
Iron ore (Magnetite)	'000 tonnes	4364	- 626	4990	59509	14516	33512	-	-	151811	1997	261345	266336
Manganese ore	'000 tonnes	-	-	-	13954	1511	9177	48	262	9464	-	34416	34416
Quartz- silica sand [#]	'000 tonnes	-	-	-	-	20	1736	-	-	18248	-	20004	20004

Figures rounded off.

Declared as Minor Mineral vide Gazette Notification dated 10.02.2015.

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Table – 3 : Principal Mineral-based Industries

Industry/plant	Capacity (‘000 tpy)
Counterweight	
Asavari Vishwanath Parulekar, Convale Bardez	15
Fertilizer	
Zuari Industries Ltd, Zuarinagar, Distt South Goa.	495000 (Urea) 500000 (NP/NPKs) 330 (DAP)
Pellets	
Mandovi Pellets Ltd, Mandovi, Shiroda.	NA
Chowgule & Co. Ltd	NA
Pig Iron	
Sesa Goa Ltd, Bicholim.	625
Aparant Iron & Steel Pvt. Ltd, Sanguem	160
Vedanta Ltd, Amona, Bicholim	832 1000 (Sinter)
Sponge Iron	
Ambey Metallic Ltd, Pissurlem, Sattari.	36
Goa Sponge & Power Ltd, Santona.	90
Shraddha Ispat Pvt. Ltd, Santona, Sanguem.	72
Ferroalloys	
Karthik Alloys Ltd, Cuncalim.	3.2

Note: Data, for fertilizer industries, is taken from Indian Fertilizer Scenario, FAI Statistics.