

STATE REVIEWS



Indian Minerals Yearbook 2018

(Part- I)

57th Edition

STATE REVIEWS
(Goa)

(FINAL 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 2017-18.

Production

Iron ore production of 8,040 thousand tonnes and in case of Bauxite 4,378 tonnes was reported from Goa for the year 2017-18.

The value of minor minerals production was estimated at ₹ 704 crore for the year 2017-18.

The number of reporting mines in Goa was 90 in 2017-18 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, 2015-16 to 2017-18
(Excluding Atomic Minerals)**

(Value in ₹'000)

Mineral	Unit	2015-16			2016-17			2017-18 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		88		9213777	89		18596029	90		18007514
Bauxite	t	1	163950	40960	1	-	-	1	4378	876
Iron Ore	000 t	82	1794	2132157	82	9170	11555369	85	8040	10965978
Manganese Ore	t	5	-	-	6	-	-	4	-	-
Minor Minerals [@]		-	-	7040660	-	-	7040660	-	-	7040660

Note : The number of mines excludes minor minerals.

@ Figures for earlier years have been repeated as estimates, wherever necessary, because of non-receipt of data.

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 (Haemaite)	'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

STATE REVIEWS

Figures rounded off.
Declared as Minor Mineral vide Gazette Notification dated 10.02.2015.

STATE REVIEWS

Table – 3 : Principal Mineral-based Industries in Goa

Industry/plant	Capacity (’000 tpy)
Fertilizer	
Zuari Industries Ltd, Zuarinagar, Distt South Goa	399.3 (Urea) 330 (NP/NPKs) 330 (DAP)
Pellets	
Mandovi Pellets Ltd, Mandovi, Shiroda Chowgule & Co. Ltd	1800 550
Pig Iron	
Sesa Goa Ltd, Bicholim Aparant Iron & Steel Pvt Ltd, Sanguem	625 155
Sponge Iron	
Ambey Metallic Ltd, Pissurlem, Sattari Goa Sponge & Power Ltd, Santona Shraddha Ispat Pvt. Ltd, Santona, Sanguem	30 100 60
Ferro Alloys	
Karthik Alloys Ltd, Cuncalim	4

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