

STATE REVIEWS



Indian Minerals Yearbook 2014

(Part- I)

53rd 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 in 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 activities is reported by any agencies during 2013-14.

Production

The value of mineral production in Goa at ₹ 454 crore in 2013-14 decreased 82% as compared to the previous year mainly due to suspension of

mining activities of iron ore by an order of the Hon'ble Supreme Court resulting no production of the mineral. About 98% of the total value of mineral production was accrued from minor minerals and rest of it was contributed by bauxite in Goa during 2013-14. The output of bauxite increased by more than 3 times as compared to the previous year during the year under review (Table - 2).

The value of production of minor minerals was estimated at ₹ 443 crore for the year 2013-14.

The number of reporting mines in Goa was 69 in 2013-14 as against 72 in the previous year.

Due to 'nil' production of iron ore and manganese ore in state, the index of mineral production (base 2004-05=100) was zero for 2013-14 as compared to 48.0 in the previous year.

Mineral-based Industry

The present status of each mineral-based industry is not readily available. However, the important large and medium-scale mineral-based industries in the organised sector in the State are given in Table - 3.

Table – 2 : Mineral Production in Goa, 2011-12 to 2013-14 (P)
(Excluding Atomic Minerals)

Mineral	Unit	2011-12			2012-13			2013-14 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		74		78602979	72		25859191	69		4540357
Bauxite	t	1	84700	9317	1	104200	10420	1	444421	106905
Iron Ore	'000t	69	33636	69948845	65	10897	21414923	65	-	-
Manganese Ore	t	4	1550	2423	6	50	396	3	-	-
Minor Minerals@		-	-	8642394	-	-	4433452	-	-	4433452

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 1.4.2010 : Goa

Mineral	Unit	Reserves					Remaining resources					Total resources (A+B)		
		Proved STD 111	Probable STD121	Total (A)	Feasibility STD211	Pre-feasibility STD221	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334	Total (B)			
Bauxite	'000 tonnes	15169	-	1207	16376	14941	1097	10121	6820	-	8646	-	41625	58001
China clay	'000 tonnes	-	-	-	-	-	-	16	-	-	-	-	16	16
Iron ore (Hematite)	'000 tonnes	367378	44907	57559	469844	88723	63145	117393	7539	10050	141984	28493	457328	927172
Iron ore (Magnetite)	'000 tonnes	12489	3186	-	15675	26211	1094	30400	-	-	147296	1997	206998	222673
Manganese ore	'000 tonnes	420	32	222	674	156	1674	3814	48	261	6968	-	12922	13596
Quartz- silica sand	'000 tonnes	-	-	-	-	-	20	1736	-	-	18248	-	20004	20004

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Table – 3 : Principal Mineral-based Industries in Goa

Industry/plant	Capacity (‘000 tpy)
Fertilizer	
Zuari Industries Ltd, Zuarinagar, Distt. South Goa.	399.30 (Urea) 330 (NPK) 330 (DAP)
Pellets	
Mandovi Pellets Ltd, Mandovi.	1800
Chowgule & Co. Ltd	550
Pig Iron	
Sesa Goa Ltd, Bicholim.	180
Aparant Iron & Steel Pvt Ltd, Sanguem	155
Sponge Iron	
Ambey Metallic Ltd, Pissurlem, Sattari.	36
Goa Sponge & Power Ltd, Santora.	100
Shraddha Ispat Pvt. Ltd, Santora.	60
Ferro Alloys	
Karthik Alloys Ltd, Cuncalim.	4