

STATE REVIEWS



Indian Minerals Yearbook 2015

(Part- I)

54th 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 activities is reported by any agencies during 2014-15.

Production

The value of mineral production (excludes

atomic mineral and value for February and March in respect of 31 minerals declared as minor mineral vide Gazette notification dated 10.02.2015) in Goa at ₹ 623 crore in 2014-15 was almost at the same level of previous year. The production of bauxite was 7% higher in the year under review as compared to the previous year. Almost the entire value of mineral production in the State was accrued from minor minerals during 2014-15 (Table - 2).

The value of production of minor minerals was estimated at ₹ 620 crore for the year 2014-15.

The number of reporting mines in Goa was 71 in 2014-15 as against 86 in the previous year.

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, 2012-13 to 2014-15
(Excluding Atomic Minerals)**

		(Value in ₹ '000)								
Mineral	Unit	2012-13			2013-14			2014-15 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		72		25859191	86		6251655	71		6231085
Bauxite	t	1	104200	10420	1	220400	53420	1	235000	32850
Iron Ore	'000t	65	10897	21414923	80	-	-	67	-	-
Manganese Ore	t	6	50	396	5	-	-	3	-	-
Minor Minerals [@]		-	-	4433452	-	-	6198235	-	-	6198235

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 1.4.2010/1.4.2013* : Goa

Mineral	Unit	Reserves				Remaining Resources						Total Resources (A+B)		
		Proved STD111	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	14133	1097	10121	6820	-	8646	-	40817	57193
China clay#	'000 tonnes	-	-	-	-	-	-	16	-	-	-	-	16	16
Iron ore* (Haematite)	'000 tonnes	-	-	-	482700	160635	150596	57864	17754	122297	27330	1019176	1019176	1019176
Iron ore* (Magnetite)	'000 tonnes	-	-	-	42959	4032	30400	-	-	146389	1997	225777	225777	225777
Manganese ore*	'000 tonnes	-	-	-	14398	1505	9102	48	262	9558	-	34874	34874	34874
Quartz-silica sand#	'000 tonnes	-	-	-	-	20	1736	-	-	18248	-	20004	20004	20004

Figures rounded off.

*Reserves/Resources as on 1.4.2013

Declared as minor mineral vide Gazette notification dated 10.02.2015.

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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.	399.3 (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, has been taken from Indian Fertilizer Scenario, 2015/FAI Statistics, 2014-15.