

STATE REVIEWS



# Indian Minerals Yearbook 2013 (Part- I)

**52<sup>nd</sup> 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**

Details of exploration activities conducted by M/s V. M. Salgaocar & Bro. Pvt. Ltd and M/s Chowgule and Co. Pvt Ltd during 2012-13 were not available.

**Production**

The value of mineral production in Goa at ₹3,108 crore in 2012-13 decreased 60% as compared to the previous year mainly due to decrease in the production of iron ore. Despite a decrease of 69% in output, iron ore contributed 72% to value of mineral production in Goa. A nominal production of bauxite and manganese ore was also reported from the state in 2012-13. During the year under review, production of bauxite increased by 3% while that of manganese ore decreased by 97% as compared to previous year. (Table - 2).

The production value of minor minerals was estimated at ₹864 crore for the year 2012-13.

The number of reporting mines in Goa was 49 in 2012-13 as against 74 in the previous year.

The index of mineral production in Goa (base 2004-05=100) was 46.6 in 2012-13 as compared to 148.2 in the previous year..

**Table – 2 : Mineral Production in Goa, 2010-11 to 2012-13  
(Excluding Atomic Minerals)**

(Value in ₹ '000)

Mineral	Unit	2010-11			2011-12			2012-13 (P)		
		No.of mines	Quantity	Value	No.of mines	Quantity	Value	No.of mines	Quantity	Value
<b>All Minerals</b>		<b>79</b>		<b>81672198</b>	<b>74</b>		<b>78602979</b>	<b>49</b>		<b>31075933</b>
Bauxite	t	1	100900	10090	1	84700	9317	1	87200	9422
Iron Ore	'000t	73	35564	74912294	69	33636	69948845	43	10575	22424007
Manganese Ore	t	5	440	1684	4	1550	2423	5	50	110
Minor Minerals@	-	-	-	6748130	-	-	8642394	-	-	8642394

*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	Feasibility STD211	Pre-feasibility STD221	Total (A)	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

*Figures rounded off.*

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**Mineral-based Industry**

The important large and medium-scale mineral-based industries in the organised sector in the State are given in Table - 3.

**Table – 3 : Principal Mineral-based Industries in Goa**

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