

STATE REVIEWS



Indian Minerals Yearbook 2017

(Part- I)

56th 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 2016-17.

Production

Iron ore production of 8,933 thousand tonnes was reported from Goa for the year 2016-17.

The value of minor minerals' production was estimated at ₹ 704 crore for the year 2016-17.

The number of reporting mines in Goa was 85 in 2016-17 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, 2014-15 to 2016-17
(Excluding Atomic Minerals)**

(Value in ₹'000)

Mineral	Unit	2014-15			2015-16			2016-17 (p)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		82		7084895	88		9213777	85		17554690
Bauxite	t	1	268500	44235	1	163950	40960	1	-	-
Iron Ore	000 t	76	-	-	82	1794	2132157	78	8933	10514030
Manganese Ore	t	5	-	-	5	-	-	6	-	-
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 (Hematite)	'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

11-3

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, 2015/FAI Statistics, 2015-16.