

STATE REVIEWS



Indian Minerals Yearbook 2022

(Part- I)

61st 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 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 mineral exploration activities were reported by GSI during 2021-22.

Production

No mineral production except minor mineral was reported from Goa. The value of minor mineral's production is estimated as ₹ 30 crore for the year 2021-22. There was 28 reporting mines in 2021-22 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, 2019-20 to 2021-22
(Excluding Atomic Minerals)**

(Value in ₹'000)

Mineral	Unit	2019-20			2020-21			2021-22 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		48		398896	42		1157858	28		296446
Iron Ore	'000t	45**	-	-	40	1003	897737	27**	-	-
Manganese Ore *	t	3	-	-	2	-	-	1	-	-
Minor Minerals		-	-	398896	-	-	260121	-	-	296446

Note :The number of mines excludes Minor minerals.

*** Only labour reported, production activity stopped by S.C. Order.*

** Only labour reported.*

STATE REVIEWS

Table – 1 : Reserves/Resources of Minerals as on 1.4.2020 : Goa

Mineral	Unit	Reserves					Remaining resources					Total resources (A+B)		
		Proved STD 111	Probable STD 121	STD 122	Total (A)	Feasibility STD 211	Pre-feasibility STD 221	Measured STD 331	Indicated STD 332	Inferred STD 333	Reconnaissance STD 334		Total (B)	
Bauxite	'000 tonnes	7963	-	1650	9613	5222	1097	8195	6820	-	36910	-	58244	67857
Iron ore (Haematite)	'000 tonnes	96558	7666	13012	117235	435300	255162	182675	22126	12727	166631	5701	1080322	1197557
Iron ore (Magnetite)	'000 tonnes	4364	-	626	4990	59509	14516	33512	-	-	151811	1997	261345	266336
Manganese ore	'000 tonnes	31	-	34	65	14028	1479	9177	48	262	9442	-	34436	34501

Figures rounded off.

STATE REVIEWS

Table – 3 : Principal Mineral-based Industries

Industry/plant	Capacity (’000 tpy)
Counterweight	
Asavari Vishwanath Parulekar, Convale Bardez	15
Fertilizer	
Zuari Industries Ltd, Zuarinagar, Distt South Goa.	495000 (Urea) 500000 (NP/NPKs) 330 (DAP)
Pellets	
Mandovi Pellets Ltd, Mandovi, Shiroda.	NA
Chowgule & Co. Ltd	NA
Pig Iron	
Sesa Goa Ltd, Bicholim.	625
Aparant Iron & Steel Pvt. Ltd, Sanguem	160
Vedanta Ltd, Amona, Bicholim	832 1000 (Sinter)
Sponge Iron	
Ambey Metallic Ltd, Pissurlem, Sattari.	36
Goa Sponge & Power Ltd, Santona.	90
Shraddha Ispat Pvt. Ltd, Santona, Sanguem.	72
Ferroalloys	
Karthik Alloys Ltd, Cuncalim.	3.2

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