

MINERAL RESOURCES OF ORISSA

The State is endowed with vast mineral deposits like coal, iron-ore, manganese-ore, bauxite, chromite, etc. According to All India Mineral Resources Estimates, the mineral deposits of Orissa in respect of chromite, nickel, cobalt, bauxite, iron-ore were about 98.4%, 95.1%, 77.5%, 52.7% and 33.4% respectively of the total deposits of India. Other important mineral resources of the State are limestone, china clay, quartz, precious and semi-precious stones, copper, vanadium, etc.

The main exported minerals of the State are chromite, coal, dolomite, iron-ore, manganese and bauxite. The value of Mineral Production of Orissa 2000–2001 (Provisional) was 2,776.15 crore rupees and 5.23% share to All India value.

The total productions of Minerals and Ores in the State during 2001-2002 was 749.79 lakh tonnes valued at Rs. 2,776.15 crore in 2000-2001 registering an increase of 8.79% in quantity and 4.84% in value.

Mineral Reserves in Orissa and India

(in million tonne)

Sl. No.	Mineral / Ore	Reserve in Orissa	Grade	Reserve in India	State Share to country's Reserves(%)
1	2	3	4	5	6
1.	Bauxite	1733	Metallurgical +40% A_2O_3	2911	59.5
2.	Base Metal (Lead & Copper)	9	1.5% Cu(Avg.) 6.73% Pb(Avg.)	485	2.9
3.	Chromite	183	Metallurgical Chemical Refractory	186	98.4
4.	Chinaclay	311	Paper, Rubber Textile, Ceramics	986	31.5
5.	Coal	49406	High ash-Non-coking	199282	24.8
6.	Dolomite	889	Flux grade	4967	17.9
7.	Fireclay	178	Plastic & Non-Plastic	696	25.6
8.	Graphite	2.2	Foundry, Refractory Pencil, Battery	3.1	71.0
9.	Iron ore	4200	B.F., S.M.S. & Sponge Iron + 58% Fe.	12745	32.9
10.	Kyanite & Sillimanite	1.4		53.41	2.6
11.	Limestone	1609	BF & Cement	76446	2.1
12.	Manganese ore	119	BF., Ferro Alloys Battery & Chemical	176	67.6
13.	Mineral sands	82		266	30.8
14.	Pyrophyllite	8.6		13.2	65.1
15.	Nickel ore	270	+ 0.5% Nickel	294	91.8
16.	Quartz & Quartzite & Silica sand	93	Metallurgical, Silicon Carbide, Ferro Silicon, Ceramics	1350	6.9
17.	Tale / Steatite	0.8		84	0.95
18.	Tin ore	0.01	+ 50 gms / MT	28.91	-
19.	Vanadiferrous Magnetite	4	0.6 to 1.5% V3O5	Not available	-