

STATE REVIEWS



Indian Minerals Yearbook 2022

(Part- I)

61st Edition

STATE REVIEWS
(Sikkim)

(ADVANCE RELEASE)

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

Indira Bhavan, Civil Lines,
NAGPUR – 440 001

PHONE/FAX NO. (0712) 2565471
PBX : (0712) 2562649, 2560 544, 25 60648
E-MAIL : cme@ibm.gov.in
Website: www.ibm.gov.in

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SIKKIM

Mineral Resources

The important mineral resources of the State are **copper-lead-zinc** and **silver**, reported in Bhotang, Rangpo and Dikchu in East Sikkim districts. Occurrences of other minerals reported in the State include **dolomite**, **quartzite** and **talc/steatite/soapstone** in West Sikkim district; **limestone** in North Sikkim district and **marble** in East Sikkim & North Sikkim districts (Table -1). The reserves/resources of coal and the coalfield located in Sikkim are reflected in Table -2.

Exploration & Development

No exploration work was reported by GSI during the year 2021-22.

Production

No mineral production (except minor minerals) was reported in 2021-22. The value of minor minerals' production was estimated at Rs.188 lakh for the year 2021-22.

Mineral-based Industry

SMC, a joint venture of Government of Sikkim and Government of India was established for the purpose of development of Bhotang polymetallic ore deposit at Rangpo. Sikkim's Mines & Geology Department had set up a pilot dimension rock cutting unit and pilot lime making unit to ascertain the feasibility of setting up of commercial lime plant and dimension rock cutting plant in the State. A ferro alloys plant, namely, Akshay Ispat & Ferro Alloys Ltd with an installed capacity of 6,000 tpy is located at Mamring, South Sikkim district. The present status of these industries is not available.

Table – 2 : Reserves/Resources of Coal as on 1.4.2023 : Sikkim

(In million tonnes)				
Coalfield	Proved	Indicated	Inferred	Total
Total/Rangit Valley	-	58	43	101

Source: Coal Directory of India, 2022-23.

Table – 1: Reserves/Resources of Minerals as on 1-04-2020 : Sikkim

Mineral	Unit	Reserves				Remaining Resources				Total resources (A+B)		
		Proved STD 111	Probable STD121 STD122	Total Feasibility (A)	Pre-feasibility STD221 STD222	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334		Total (B)	
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Copper												
Ore	'000 tonnes	-	-	-	445	63	300	-	150	-	958	958
Metal	'000 tonnes	-	-	-	7.86	0.91	8.47	-	4.23	-	21.47	21.47
Lead-Zinc												
Ore	'000 tonnes	-	-	-	436	64	300	-	150	-	950	950
Lead metal	'000 tonnes	-	-	-	6.9	1.68	-	-	-	-	8.58	8.58
Zinc metal	'000 tonnes	-	-	-	12.88	3.14	3	-	1.05	-	20.07	20.07
Limestone	'000 tonnes	-	-	-	-	-	-	-	2380	-	2380	2380
Silver												
Ore	tonnes	-	-	-	435843	63780	300000	-	150000	-	949623	949623
Metal	tonnes	-	-	-	15.25	0.04	27.6	-	13.8	-	56.69	56.69

Figures rounded off