

STATE REVIEWS



Indian Minerals Yearbook 2017

(Part- I)

56th Edition

**STATE REVIEWS
(Mizoram & Nagaland)**

(FINAL RELEASE)

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES**

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MIZORAM

Mineral Resources

Occurrences of lignite, sandstone and pyrites are reported from the State. Major deposits of economic importance have not been reported so far in the State.

Exploration & Development

No exploration activities was reported to be carried out by any Central/State Government agency during 2016-17 in the State.

Production

No mineral production (except minor minerals) was reported from Mizoram during 2016-17. The value of minor minerals' production was estimated at ` 168 lakh for the year 2016-17.

NAGALAND

Mineral Resources

Important mineral occurrences in the State are: **coal** in Borjan, Jhanzi-Disai, Tiesang and Tiru Valley Coalfields; **iron ore (magnetite), cobalt, dunite** and **nickeliferous chromite** in Tuensang district and **limestone** in Phek and Tuensang districts Table-1. The various coalfields and their reserves/resources are given in Table-2.

Exploration & Development

Details of exploration activities conducted by GSI during 2016-17 for Chromite, Nickel, Copper & associated base metals are furnished in Table-3.

Production

No mineral production (except minor minerals) was reported from Nagaland during 2016-17. The value of minor minerals' production was estimated at ` 18 lakh for the year 2016-17.

Table – 1 : Reserves/Resources of Minerals as on 01-04-2015: Nagaland

Mineral	Unit	Reserves				Remaining resources					Total resources (A+B)		
		Proved STD111	Probable STD121	Probable STD122	Total (A)	Feasibility STD211	Pre-feasibility STD221	Measured STD331	Indicated STD332	Inferred STD333		Reconnaissance STD334	Total (B)
Limestone	'000 tonnes	-	-	-	-	825	-	-	1005500	745875	-	1752200	1752200
Dunite#	'000 tonnes	-	-	-	-	-	-	-	-	4800	-	4800	4800
Copper													
Ore	'000 tonnes	-	-	-	-	-	-	-	-	2000	-	2000	2000
Metal	'000 tonnes	-	-	-	-	-	-	-	-	15	-	15	15
Chromite	'000 tonnes	-	-	-	-	-	-	-	-	3200	-	3200	3200
Cobalt ore	million tonnes	-	-	-	-	-	-	-	-	-	5	5	5
Iron ore													
(Magnetite)	'000 tonnes	-	-	-	-	-	-	-	5280	-	-	5280	5280
Nickel ore	million tonnes	-	-	-	-	-	-	-	-	5	0	5	5

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Figures rounded off.
Declared as Minor Mineral vide Gazette Notification dated 10.02.2015.

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Table – 2 : Reserves/Resources of Coal as on 1.4.2017 : Nagaland

(In million tonnes)

Coalfield	Proved	Indicated	Inferred	Total
Total	8.76	-	401.69	410.45
Borjan	5.50	-	4.50	10.00
Jhanzi-Disai	2.00	-	95.12	97.12
Tiensang	1.26	-	2.00	3.26
Tiru Valley	-	-	6.60	6.60
DGM	-	-	293.47	293.47

*Source: Coal Directory of India, 2016-17.***Table – 3: Details of Exploration Activities in Nagaland, 2016-17**

Agency/ Mineral/ District	Location	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
Chromite, Nickel, Copper and associated basemetal							
Phek	In and around Reguri-Ankhen village	1:12500	50	-	-	-	A total of 50 sq km (Large-scale mapping) on 1:12500 scale was covered in parts of Ophiolite Belt' in Phek district, Nagaland and in around Reguri-Ankhen villages. Limonitisation and ferruginisation, devoid of any fresh sulphides, have been observed within serpentinite near the contact zones only. Chromite specks! grains and a small pod have been recorded from the cumulate boulders in the central part of Reguri village. Occasional minute chromespinels have been observed in cumulates.
Chromite, and associated basemetal							
Tuensang	In and around Wui and Khanjong village	1:12500	75	-	-	-	Large-scale mapping on 1:12500 scale was carried for 75 sq km area in and around Wui and Khenjong village. The rock types observed in the mapped area include ultramafic cumulates and volcanics. The Disang Group of rocks are observed in the western part of the mapped area. Limonitised / ferruginised zone with a strike length of 40 m and width of 10 m is exposed towards the SE of Wui village.