

STATE REVIEWS



Indian Minerals Yearbook 2019

(Part- I)

58th Edition

**STATE REVIEWS
(Mizoram & Nagaland)**

(ADVANCE 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 2018-19 in the State.

Production

No mineral production (except minor minerals) was reported from Mizoram during 2018-19. The value of minor minerals' production was estimated at ₹ 168 lakh for the year 2018-19.

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 2018-19 for coal are furnished in Table-3.

Production

No mineral production (except minor minerals) was reported from Nagaland during 2018-19. The value of minor minerals' production was estimated at ₹ 18 lakh for the year 2018-19.

Table – 2 : Reserves/Resources of Coal as on 1.4.2019 : Nagaland

(In million tonnes)

Coalfield	Proved	Indicated	Inferred	Total
Nagaland	8.76	21.83	415.83	446.42
Borjan	5.50	–	4.50	10.00
Jhanzi-Disai	2.00	21.83	109.26	133.09
Tuensang	1.26	–	2.00	3.26
Tiru Valley	–	–	6.60	6.60
DGM	–	–	293.47	293.47

Source: Coal Directory of India, 2018-19.

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

Mineral	Unit	Reserves				Remaining resources				Total resources (A+B)	
		Proved STD111	Probable		Feasibility STD211	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334		Total (B)
			STD121	STD122							
Limestone	'000 tonnes	-	-	-	-	1005500	745875	-	1752200	1752200	
Dunite#	'000 tonnes	-	-	-	825	-	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	5	5	

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

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Table – 3: Details of Exploration Activities in Nagaland, 2018-19

Agency/ Mineral/ District	Location	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
GSI Coal,							
Mokokchung	Mongchen, Dibuia, Waromong and Molungyimsen area	1:12500	50	-	-	5	G4 stage reconnaissance survey for coal was taken up around Mongchen, Dibuia, Waromong and Molungyimsen area, Mokokchung district. During survey, Large-Scale Mapping of 50 sqkm was carried out on 1:12,500 scale to delineate and assess the potentiality of coal in the area. Pitting & trenching of 30 cu. m was carried out to establish the strike continuity and depth persistence of the coal seams. A total of 5 coal samples were collected for petrographic studies and 05 shale samples adjacent to the coal beds were collected for REE analyses. The coal seams observed to the west of Yimchenkimong and Molungyimsen seem to be the most promising in the study area. The strike continuity of the coal exposure was established to be about 15 m in length with a thickness of about 2 m.
CMPDIL and DGM Nagaland Coal		-	-	-	1.39 lakh	-	On behalf of Ministry of Coal, DGM, Nagaland, has also carried out promotional exploration in one block and CMPDIL in two coal blocks undertook a total of 1.39 lakh meter of promotional (regional) drilling for coal and lignite during 2018-19.