



# Indian Minerals Yearbook 2021

(Part- I)

60<sup>th</sup> Edition

STATE REVIEWS  
(Manipur)

(ADVANCE RELEASE)

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## MANIPUR

### Mineral Resources

Important mineral occurrences in the state are Chromite and Limestone. Total resources of the Chromite and Limestone in the state are 6.65 million tonnes and 46 million tonnes respectively (Table-1).

### Exploration & Development

The details of exploration activities conducted by GSI for Chromite and Nickel during the year 2020-21 are furnished in Table - 2.

### Production

No mineral production (except minor minerals) was reported from Manipur in 2020-21. The value of minor minerals' production was estimated at ₹ 29 lakh for the year 2020-21.

**Table- 1: Reserves/Resources of Mineral as on 1.4.2020 : Manipur**

Mineral	Unit	Reserves				Remaining resources				Total resources (A+B)		
		Proved STD111	Probable STD121    STD122	Total (A)	Feasibility STD211	Pre-feasibility STD221    STD222	Measured STD331	Indicated STD332	Inferred STD333		Reconnaissance STD334	Total (B)
Chromite	000 Tonnes	-	-	-	3	21	52	-	504	6077	-	6657
Limestone	000 Tonnes	-	-	-	-	-	-	-	10197	33718	-	46053

*Figures rounded off*

**Table –2 : Details of Exploration Activities in Manipur, 2020-21**

Agency/ Mineral/ District	Location Area/ Block	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
<b>GSI</b>							
<b>Nickel (Ni) &amp; Chromite (Cr)</b>							
Tengnoupal & Chandel	Moreh-Minau area, Manipur Ophiolite Belt	-	50	-	-	-	Reconnaissance survey (G4) was carried out in this area for Ni, Cu, and PGE. On the basis of large scale mapping carried out for 50 sq. km, six dismembered ophiolite units represented by ultramafic, mafic, volcanic units were delineated. These units have been categorised into cumulate, tectonised peridotite, volcanic and mafic units and were found to host disseminated chromite pods in Munnom-Lhangcham areas. Analytical results show Cr values ranging from 14220 to 2511 ppm with a mean value of 8878 ppm while Ni concentration varies from 7443 to 1584 ppm with a mean value of 4993 ppm. Cobalt values in these samples range from 2691 to 423 ppm with an average of 1525 ppm.