

STATE REVIEWS



# Indian Minerals Yearbook 2012

(Part- I)

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STATE REVIEWS  
(Manipur)

(FINAL RELEASE)

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**MANIPUR****Mineral Resources**

Occurrences of **chromite, china clay** and **limestone** are reported in Chandel, Churachandpur and Ukhrul districts (Table - 1).

**Exploration & Development**

Details of exploration activities conducted by GSI during 2011-12 is furnished in Table-2.

**Production**

No mineral production (except minor minerals) was reported from Manipur in 2011-12. The production value of minor minerals was estimated at ₹ 29 lakh for the year 2011-12.

**Mineral-based Industry**

A cement plant set up by Manipur Cements Ltd, (a State Govt. Undertaking) at Hundung in Ukhrul District was operation since 1989. The plant has a capacity of 15,000 tpy.

**Table – 2 : Details of Exploration Activities in Manipur, 2011-12**

Agency/ Mineral/ District	Location	Mapping		Drilling		Sampling	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
<b>GSI PGE Ukhrul</b>	Ukhrul- Gamnom- Chingsao- Hangkau	1:50,000	100.0	-	-	-	Reconnaissance stage investigation (G-4) was carried for Platinum Group of elements in ophiolite belt to assess the potential of PGE mineralisation in the favourable host rocks in ultramafic suite comprising chromiferous dunite, peridotite and pyroxenite. The serpentinised peridotite is the dominate rock type and probable host rocks with 30 m to 40 m width are recorded as out crops. The chromitite layers flenses were identified measuring 3 m X 1 m at three places within the ultramafics. The chromite grains are fine to coarse, sub-hedral to euhedral, dark grey in colour with metallic lustre. The petrographic studies indicate that the ultramafics are composed of olivine, estatite, bronzite, diopside with magnetite and chromite. Predominantly the rock is classified as Lherzolite and Harzburgite. In polished section, euhedral grains of bright white in colour, high reflectance and isotropic in character suspected to be of PGE has been observed. SEM-EDX studies have indicated the presence of laurite that occurs as discrete phase within the chromite grains. The work has been completed.

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**Table -1: Reserves/Resources of Minerals as on 1.4.2010 : Manipur**

Mineral	Unit	Reserves				Remaining resources				Total resources (A+B)
		Proved STD111	Probable STD121	Total (A)	Pre-feasibility STD222	Measured STD331	Indicated STD332	Inferred STD333	Total (B)	
China clay	'000 tonnes	-	-	-	-	2520	-	-	2520	2520
Chromite	'000 tonnes	3	21	76	-	-	529	6052	6581	6657
Limestone	'000 tonnes	-	-	-	-	19953	2138	23962	46053	46053

*Figures rounded off.*