

STATE REVIEWS



Indian Minerals Yearbook 2017

(Part- I)

56th Edition

**STATE REVIEWS
(Himachal Pradesh)**

(FINAL RELEASE)

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

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HIMACHAL PRADESH

Mineral Resources

The State is the sole holder of country's Antimony ore and rock salt resources. Limestone and shale are the important minerals produced in the State. **Barytes** occurs in Sirmaur district; **limestone** in Bilaspur, Chamba, Kangra, Kulu, Mandi, Shimla, Sirmaur & Solan districts; and **rock salt** in Mandi district. Other minerals that occur in the State are **antimony** in Lahaul & Spiti districts; **gypsum** in Chamba, Sirmaur and Solan districts; **magnesite** in Chamba district; **pyrite** in Shimla district; and **quartz, quartzite & silica sand** in Una district Table - 1.

Exploration & Development

No mineral exploration activities reported by any State government agency during 2016-17. However, GSI carried out exploration activity for dolomite in Bilapur district. Details are furnished in Table-2.

Production

Limestone is the principal mineral produced in the state during 2016-17.

The value of minor minerals' production was estimated at ₹ 63 crore for the year 2016-17.

The number of reporting mines in the state was 21 in 2016-17, all belongs to limestone. Details are furnished in Table-3.

Table – 2 : Details of Exploration Activities in Himachal Pradesh, 2016-17

Agency/ Mineral/ District	Location Area/ Block	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
GSI Dolomite Bilaspur	Parnali and Tattapani	-	-	-	-	-	G4 stage reconnaissance survey for low silica dolomite was taken up in Parnali & Tattapani formations of the Shali group by large-scale mapping, three bands of dolomite have been delineated. Band L-1: Dolomite band of Parnali Formation is in lensoidal shape and established over a strike length of 13.7 km with average width of about 450 m. Band L-2(A). The dolomite band of Tattapani Formation is exposed at Barog-Ghagas-Bharatu area. The dolomite band is about 430 m in thickness, traced for about 12.2 km Shale parting (2-16 cm) has been identified within the dolomite. Band L-2 (B). The dolomite band (Tattapani Formation) is exposed at Karot-Thanger-Deoli area. The exposed thickness is about 812 m and strike continuity is about 8.3 km. The chemical analysis of channel samples is awaited.

Table – 1: Reserves/Resources of Minerals as on 1.4.2015: Himachal Pradesh

Mineral	Unit	Reserves			Remaining Resources						Total resources (A+B)			
		Proved STD111	Probable STD121	Total (A) STD122	Feasibility STD211	Pre-feasibility STD221	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334		Total (B)		
Antimony														
Ore	tonne	-	-	-	-	-	-	-	-	-	-	10588	-	10588
Metal	tonne	-	-	-	-	-	-	-	-	-	-	174	-	174
Barytes#	tonne	-	-	-	27288	12846	12645	48904	12370	3000	-	3000	-	117053
Gypsum#	'000 tonnes	-	-	-	-	-	1365	-	-	3081	-	3081	-	4446
Limestone	'000 tonnes	555180	209851	69908	191300	327757	40840	1530937	26121	3234938	37339	5389231	6224169	6224169
Magnesite	'000 tonnes	-	-	-	-	-	-	-	-	298	-	298	-	298
Pyrite	'000 tonnes	-	-	-	-	-	-	-	-	2560	-	2560	-	2560
Quartzite#	'000 tonnes	25	-	16	16	-	-	-	-	-	-	-	-	57
Quartz-														
Silica sand#	'000 tonnes	1	-	7	99	-	-	-	-	2928	-	2928	-	3027
Rock salt	'000 tonnes	-	-	-	10035	-	5990	-	-	-	-	-	-	16025

Figures rounded off.

Declared as Minor Minerals vide Gazette notification dated 10.02.2015.

STATE REVIEWS

**Table – 3 : Mineral Production in Himachal Pradesh, 2014-15 to 2016-17
(Excluding Atomic Minerals)**

(Value in `000)

Mineral	Unit	2014-15			2015-16			2016-17 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		17		2545985	18		2815316	21		2689531
Limestone	'000t	17	12710	1969904	18	12390	2180979	21	11009	2055194
Shale [#]	t	-	1279203	119514	-	-	-	-	-	-
Minor Minerals [@]		-	-	456567	-	-	634337	-	-	634337

*Note :The number of mines excludes minor minerals**@ Figures for earlier years have been repeated as estimates, wherever necessary, because of non-receipt of data.**# Declared as minor mineral vide Gazette Notification dated 10.02.2015***Mineral-based Industry**

The present status of each mineral-based industry is not readily available. However, the

principal mineral-based industries in the organised sector in the State are furnished in Table - 4.

Table – 4 : Principal Mineral-based Industries in Himachal Pradesh

Industry/plant	Capacity ('000 tpy)	Industry/plant	Capacity ('000 tpy)
Cement		CCI Ltd, Rajban, Dist. Sirmaur.	250
ACC Ltd, Gaggal (Gaggal I & II), Dist. Bilaspur.	4400	Jaypee Himachal Cement Plant, Bagga, Dist. Solan.	1700
Ambuja Cement, Suli, P.O. Darlaghat, Distt. Solan.	1600	Jaypee Himachal Cement (Blending & Grinding), Bagheri.	2000
Ambuja Cement, Nalagarh, Dist. Solan.	1500		
Asian Concretes and Cements Pvt Ltd, Bir Palsi, Dist. Solan.	1300		

Note: Data, not readily available for cement industries on respective websites, is taken from Survey of Cement Industry & Directory, 2016