

STATE REVIEWS



Indian Minerals Yearbook 2014 (Part- I)

53rd 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 rock salt resources. Barytes, limestone, salt (rock) and shale are the important minerals produced in the State. **Barytes** occurs in Sirmaur district; **limestone** in Bilaspur, Chamba, Kangra, Kulu, Mandi, Shimla, Sirmaur and Solan districts; and **rock salt** in Mandi district. Other minerals that occur in the State are **antimony** in Lahaul and Spiti districts; **gypsum** in Chamba, Sirmaur and Solan districts; **magnesite** in Chamba district; **pyrite** in Shimla district; and **quartz, quartzite** and **silica sand** in Una district (Table- 1).

Exploration & Development

Details of exploration activities conducted by the GSI and other agencies for limestone during 2013-14 are furnished in Table- 2.

Production

The value of mineral production in Himachal Pradesh during 2013-14 at ₹ 249 crore decreased by 7% as compared to that of the previous year.

Himachal Pradesh was the leading producer of shale accounting for 48% of the total production in the country and its production decreased by about 5% in 2013-14. Limestone is the principal mineral produced in the state and it accounted for 60% of the total value of mineral production of the state during 2013-14. Its production decreased by 12% as compared to that in the previous year, whereas no production of salt (rock) was reported by the state during 2013-14 (Table-3).

The value of production of minor minerals was estimated at ₹ 90 crore for the year 2013-14.

The number of reporting mines in the state was 21 in as against 20 in the previous year.

The index of mineral production in Himachal Pradesh (base 2004-05=100) was 160.5 in 2013-14 as compared to 181.6 in the previous year.

Table – 2 : Details of Exploration Activities in Himachal Pradesh, 2013-14

Agency/ Mineral/ District	Location Area/ Block	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
GSI							
Limestone							
Shimla and Mandi	Shali Group	1: 50000 1:12500	300 110	-	-	100	Reconnaissance stage investigation (G-4) was carried out to delineate and assess the quality of limestone/dolomite bands in different members of Shali Group for use in cement, fertilizer, poultry grit and glass industry. In the studied area, rocks of Shali Group are exposed. Shali Group is predominantly comprises carbonate rocks with subordinate purple, olive green, grey phyllitized shale partings and white and pink/purple quartz arenite. Analytical results of BRS are awaited.
State Directorate of Geology & Mining							
Limestone							
Shimla	Ogli area	-	-	-	-	78	Detailed geological mapping is proposed for 2014-15.

Table – 1: Reserves/Resources of Minerals as on 1.4.2010 : Himachal Pradesh

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)	
Antimony													
Ore	tonne	-	-	-	-	-	-	-	-	-	10588	-	10588
Metal	tonne	-	-	-	-	-	-	-	-	-	174	-	174
Barytes	tonne	27288	-	12645	39933	-	12846	-	48904	12370	3000	-	77120
Gypsum	000 tonnes	-	-	-	-	-	-	1365	-	-	3081	-	4446
Limestone	000 tonnes	541555	226170	209638	977363	48410	44097	21220	1525202	1891	2830449	433	4471702
Magnesite	000 tonnes	-	-	-	-	-	-	-	-	-	298	-	298
Pyrite	000 tonnes	-	-	-	-	-	-	-	-	-	2560	-	2560
Quartzite	000 tonnes	25	-	16	41	16	-	-	-	-	-	-	16
Quartz- silica sand	000 tonnes	1	-	7	8	99	-	-	-	-	2928	-	3027
Rock salt	000 tonnes	10036	-	5990	16026	-	-	-	-	-	-	-	-

Figures rounded off.

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**Table – 3: Mineral Production in Himachal Pradesh, 2011-12 to 2013-14 (P)
(Excluding Atomic Minerals)**

(Value in ₹ '000)

Mineral	Unit	2011-12			2012-13			2013-14 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
All Minerals		25		2153054	20		2674558	21		2494182
Limestone	'000t	25	10801	1196206	20	13104	1692641	21	11576	1507968
Shale	t	-	1535493	49648	-	1512161	77717	-	1430233	82014
Minor Minerals@		-	-	907200	-	-	904200	-	-	904200

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.

Mineral-based Industry

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

principal large and medium-scale mineral-based industries in the organised sector in the State are given in Table- 4.

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

Industry/plant	Capacity ('000 tpy)
Cement	
ACC Ltd, Gaggal (Gaggal I & II), Dist. Bilaspur.	4400
Ambuja Cement, Darlaghat, Dist. Solan.	1600
Asian Concretes and Cements Pvt Ltd, Bir Palsi, Dist. Solan.	1300
CCI Ltd, Rajban, Dist. Sirmaur .	198
Grasim Industries, Sundernagar, Dist. Mandi.	2000
J. P. Himachal Cement Plant, Bagga, Dist. Solan.	2000
J. P. Himachal Cement (Blending & Grinding), Bagheri.	2000

(Contd.)

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Table- 4 (Concl.)

Industry/plant	Capacity ('000 tpy)
Chemical	
Bhagwati Chemical Industries, Paonta Sahib, Dist. Sirmaur.	8.7 (Hydrate lime)
Doon Shivalik Mineral Industries, Bhagani, Paonta Sahib, Dist. Sirmaur.	5.5 (Hydrate lime)
Hind Chemical Industries, Badripur Paonta Sahib, Dist. Sirmaur.	13.2 (Hydrate lime)
Lime Chemicals Ltd, Paonta Sahib, Dist. Sirmaur.	35 (CaCO ₃)
M.I. Industries, Paonta Sahib, Dist. Sirmaur.	15 (Hydrate lime)
Superior Carbonate & Chemicals Ltd, Satiwala, Paonta Sahib, Dist. Sirmaur.	5 (CaCO ₃)
Vashisht Chemical Pvt Ltd, Kala Amb, Paonta Sahib, Dist. Sirmaur.	6.3 (CaCO ₃)