

STATE REVIEWS



# Indian Minerals Yearbook 2018

(Part- I)

57<sup>th</sup> Edition

STATE REVIEWS  
(Himachal Pradesh)

(FINAL RELEASE)

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## HIMACHAL PRADESH

### Mineral Resources

The State is the principal holder of country's antimony ore and rock salt resources. Limestone and shale are the important minerals produced in the State. **Baryte** occurs in Sirmaur district; **limestone** in Bilaspur, Chamba, Kangra, Kullu, 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 were reported by any State government agency during 2017-18.

However, GSI carried out exploration activity for phosphorite in Sirmaur district. Details are furnished in Table-2.

### Production

Limestone is the principal mineral produced in the State during 2017-18.

The rock-salt production was 47 tonnes during 2017-18 as compared to nil production in 2016-17. The production was reported by one Public Sector mine in the State.

The value of minor minerals production was estimated at ₹ 63 crore for the year 2017-18.

The number of reporting mines in the State was 21 in Himachal Pradesh in 2017-18 and all these mines pertain to limestone mineral. Details are furnished in Table-3.

**Table – 2 : Details of Exploration Activities in Himachal Pradesh, 2017-18**

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>Phosphorite</b>							
Sirmaur	Lower Tal	1:12500	50.0	-	-	-	G4 level reconnaissance survey for phosphorite was taken up in Shaliyan Formation. The Shaliyan Formation comprises of black chert, dark brown to black shale, phosphatic shale, phosphatic granular chert and grey siltstone and shale. In the trench samples, value of P <sub>2</sub> O <sub>5</sub> reported was less than 1%. The Cambrian succession of Regional Korgai Syncline was reported to contain ichnofossils. The ten ichnogenera identified included: <i>Cruziana tenella</i> , <i>Diplichnites isp.</i> , <i>Rusothyucus isp.</i> , <i>Diplocraterion</i> , <i>Palaeophycus isp.</i> , <i>Skolithos isp.</i> , <i>Dimorphicus obliquus</i> , <i>Diplichnites gouldi</i> , <i>Rusophycus isp.</i> and <i>Palaeophycus tubularis</i> .
	Korgai Syncline	1:1000	0.5				

**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 STD122	Total (A)	Feasibility STD211	Pre-feasibility STD221	Measured STD331	Indicated STD332	Inferred STD333		Reconnaissance STD334	Total (B)		
Antimony														
Ore	tonne	-	-	-	-	-	-	-	10588	-	10588	10588		
Metal	tonne	-	-	-	-	-	-	-	174	-	174	174		
Barytes#	tonne	-	-	-	27288	12846	12645	48904	12370	3000	-	117053		
Gypsum#	'000 tonnes	-	-	-	-	-	1365	-	-	3081	-	4446		
Limestone	'000 tonnes	555180	209851	69908	834938	191300	327757	40840	1530937	26121	3234938	37339	5389231	6224169
Magnesite	'000 tonnes	-	-	-	-	-	-	-	-	298	-	298	298	
Pyrite	'000 tonnes	-	-	-	-	-	-	-	-	2560	-	2560	2560	
Quartzite#	'000 tonnes	25	-	16	41	16	-	-	-	-	-	16	57	
Quartz-														
Silica sand#	'000 tonnes	1	-	7	8	99	-	-	-	2928	-	3027	3035	
Rock salt	'000 tonnes	-	-	-	-	10035	-	5990	-	-	-	16025	16025	

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

## STATE REVIEWS

**Table – 3 : Mineral Production in Himachal Pradesh, 2015-16 to 2017-18  
(Excluding Atomic Minerals)**

(Value in `'000)

Mineral	Unit	2015-16			2016-17			2017-18 (P)		
		No. of mines	Quantity	Value	No. of mines	Quantity	Value	No. of mines	Quantity	Value
<b>All Minerals</b>		<b>18</b>	<b>2815316</b>		<b>22</b>	<b>2819817</b>		<b>21</b>	<b>2991852</b>	
Limestone	'000t	18	12390	2180979	21	11009	2185480	20	11500	2357252
Salt (Rock)	t	-	-	-	1	-	-	1	47	263
Minor Minerals <sup>@</sup>		-	-	634337	-	-	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.***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)
<b>Cement</b>			
ACC Ltd, Gaggal (Gaggal I & II), Distt Bilaspur.	4400	CCI Ltd, Rajban, Distt Sirmaur.	250
Ambuja Cement, Suli, P.O. Darlaghat, Distt Solan.	1600	Jaypee Himachal Cement Plant, Bagga, Distt Solan.	1700
Ambuja Cement, Nalagarh, Distt Solan.	1500	Jaypee Himachal Cement (Blending & Grinding), Bagheri.	2000
Asian Concretes and Cements Pvt. Ltd, Bir Palsi, Distt Solan.	1300		

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