

STATE REVIEWS



# Indian Minerals Yearbook 2014

(Part- I)

**53<sup>rd</sup> Edition**

**STATE REVIEWS  
(Haryana)**

**(ADVANCE RELEASE)**

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

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## HARYANA

### Mineral Resources

The state is the principal holder of country's resources of tin (64%), quartz-silica sand (52%) and quartzite (49%). The principal minerals occurring in Haryana are **china clay** in Faridabad, Gurgaon and Rewari districts; **limestone** in Ambala, Bhiwani, Mahendragarh and Panchkula districts; **quartz/silica sand** in Bhiwani, Faridabad, Gurgaon and Mahendragarh districts; **quartzite** in Faridabad and Gurgaon districts; **slate** in Mahendragarh and Gurgaon districts. Other minerals, such as, **barytes, calcite, feldspar** and **marble** occur in Mahendragarh district; **copper** in Bhiwani and Mahendragarh districts; **dolomite** in Ambala and Mahendragarh districts; **granite** in Bhiwani district; **tin** and **tungsten** mineralisations in Tosham area of Bhiwani district have also been reported (Table - 1).

### Exploration and Development

Details of exploration conducted by GSI during 2013-14 are furnished in Table - 2.

### Production

The value of mineral production in Haryana at ₹ 149 crore was accrued from minor minerals only during 2013-14. The only mineral items reporting production in the state were slate and sulphur. The state was the sole producer of slate and leading producer of sulphur in the country. With a decrease of 22%, it accounted for 44% of the national output of sulphur (Table-3).

The value of production of minor minerals was estimated at ₹ 149 crore for the year 2013-14.

There was a single reporting mine during 2012-13 and 2013-14 as was in the previous year.

**Table – 2 : Details of Exploration Activities in Haryana, 2013-14**

Agency/ Mineral/ District	Location	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
<b>GSI</b>							
<b>Base metal</b>							
Mahendragarh	South of Jagreet-ki- Dhani	1:2000	1.5	3	422.75	130	Reconnaissance stage investigation (G-4) was carried out to assess the potentiality of copper mineralisation in depth as well as strike extension in alluvial-covered area. Sulphide mineralisation in form of pyrite, pyrhotite, chalcopyrite and bornite is observed along fracture/foliation planes in calcareous quartz-biotite schist from 41.00 m to 55.00 m in JDBH-1, 62.00 to 88.70 m in JDBH-2 and 27.00 to 51.20 m in JDBH-3. Analytical results of 50 soil samples indicate Cu values from 15 to 41 ppm, Pb 12 to 27 ppm and Zn 20 to 98 ppm. 14 pit samples indicate range of values for Cu 12 to 35 ppm, Pb 15 to 42 ppm and Zn 31 to 145 ppm. Total REE values ranging from 57.6 to 262.2 ppm has been recorded from soil and pit samples.

**Table – 1: Reserves/Resources of Minerals as on 1.4.2010 : Haryana**

Mineral	Unit	Reserves				Remaining resources				Total resources (A+B)	
		Proved STD 111	Probable		Total (A)	Feasibility STD211	Pre-feasibility		Inferred STD333		Total (B)
			STD121	STD122			STD221	STD222			
Barytes	tonne	-	-	-	-	-	-	-	440	440	440
Calcite	tonne	-	-	-	166900	-	183900	-	-	-	350800
China clay	'000 tonnes	-	-	-	2367	789	3377	13	5485	34	12065
Copper											
Ore	'000 tonnes	-	-	-	-	2230	-	-	30678	-	32908
Metal	'000 tonnes	-	-	-	-	11.82	-	-	101.8	-	113.62
Dolomite	'000 tonnes	-	-	-	5371	5149	3722	-	15247	-	29489
Felspar	tonne	-	-	-	-	-	-	-	72164	-	72164
Granite											
(Dim. stone)	'000 cu m	-	-	-	-	-	-	-	34000	-	34000
Limestone	'000 tonnes	-	-	-	1425	15507	3382	-	52163	2200	74677
Marble	'000 tonnes	-	-	-	-	1234	1602	-	19492	-	22328
Quartz-											
silica sand	'000 tonnes	-	46	8317	8363	252759	182478	27837	1264473	39767	1802868
Quartzite	'000 tonnes	-	-	-	15702	89742	112365	86951	231887	85333	621980
Tin											
Ore	tonne	-	-	-	22580000	-	31330000	-	-	-	53910000
Metal	tonne	-	-	-	32187.80	-	54032.80	-	-	-	86220.60
Tungsten											
Ore	tonne	-	-	-	2230000	-	-	-	-	-	2230000
Contained WO <sub>3</sub>	tonne	-	-	-	3568	-	-	-	-	-	3568

Figures rounded off.

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

(Value in ₹ '000)

Mineral	Unit	2011-12			2012-13			2013-14 (P)		
		No. of mines	Qty	Value	No. of mines	Qty	Value	No. of mines	Qty	Value
<b>All Minerals</b>		-		<b>1487198</b>	<b>1</b>		<b>1487461</b>	<b>1</b>		<b>1487517</b>
Slate	t	-	-	-	1	278	263	1	339	319
Sulphur#	t	-	174915	-	-	218633	-	-	170471	-
Minor Minerals@		-	-	1487198	-	-	1487198	-	-	1487198

*Note: The number of mines excludes minor minerals.**# Recovered as by-product from fertilizer plant.**@ Figures for earlier years have been repeated as estimates because of non-receipt of data.***Mineral-based Industry**

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

Industry/plant	Capacity ('000 tpy)
<b>Abrasives</b>	
Indian Abrasives, Faridabad.	0.6
<b>Asbestos Products</b>	
Hyderabad Industries Ltd, Ballabgarh.	91.7
<b>Cement</b>	
CCI Ltd, Charkhi Dadri, Distt. Bhiwani.	174
Jaypee Cement, Panipat (G).	1500
J. K. Laxmi, Jharli (G).	550
J. K. Laxmi, Jhajjar.	530
Ultra Tech Cement, Panipat (G).	1300
<b>Ceramic/Sanitaryware</b>	
Hindustan Sanitaryware & Industries Ltd, Bahadurgarh.	NA
SPL Ltd, Bahadurgarh.	35000 (sq m/day)

(Contd.)

Table - 4 (Concl'd.)

Industry/plant	Capacity ('000 tpy)
Somany Ceramics Ltd, Kassur, Distt. Jhajjar.	10.4 (Mill sq m)
<b>Chemical</b>	
Oriental Carbon & Chemicals Ltd, Dharuhera, Distt. Rewari.	55 (H <sub>2</sub> SO <sub>4</sub> ) 5 (sulphur)
Bhalla Chemical Works Pvt Ltd, Ballabgarh	10 (Zirconium derivatives) 5 (Zirconium silicate opacifiers)
<b>Fertilizer</b>	
NFL-Gohana Road, Panipat.	511.5 (urea) 8.70 (S)
<b>Iron &amp; Steel</b>	
Jindal Stainless Ltd, Hissar.	800 (stainless steel)
<b>Ferro-alloys</b>	
Haryana Ferro Alloys Ltd.	2.5
<b>Glass</b>	
Haryana Sheet Glass Ltd, Sevli, Distt. Sonapat.	89.5
Hindustan National Glass & Industries Ltd, Ballabgarh.	690 TPD
<b>Petroleum Refinery</b>	
IOCL, Panipat.	15000
<b>Refractory</b>	
Bhaskar Refractories & SW Pipes (P) Ltd, Amar Nagar.	12