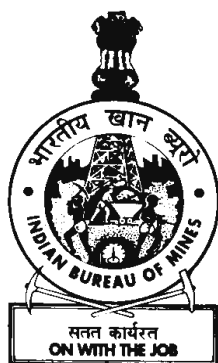


STATE REVIEWS



Indian Minerals Yearbook 2012

(Part- I)

51st Edition

STATE REVIEWS
(Haryana)

(FINAL RELEASE)

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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 2011-12 are furnished in Table - 2.

Production

The value of mineral production in Haryana at ₹ 149 crore accrued only from minor minerals during 2011-12. The only mineral item reporting production in the State was sulphur which was 28% higher as compared to the previous year (Table-3).

The production value of minor minerals was estimated at ₹ 149 crore for the year 2011-12.

There were no reporting mines during 2010-11 and 2011-12.

Haryana State has not reported any mineral production other than sulphur and minor minerals in 2010-11 and 2011-12.

**Table – 3 : Mineral Production in Haryana, 2009-10 to 2011-12
(Excluding Atomic Minerals)**

		(Value in ₹ '000)								
Mineral	Unit	2009-10			2010-11			2011-12 (P)		
		No.of mines	Qty	Value	No.of mines	Qty	Value	No.of mines	Qty	Value
All Minerals		-		1487198	-		1487198	-		1487198
Sulphur #	t	-	146278	-	-	136622	-	-	174915	-
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.

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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	350800
China clay	'000 tonnes	-	-	-	2367	789	3377	13	5485	12065	12065
Copper											
Ore	'000 tonnes	-	-	-	-	2230	-	-	30678	32908	32908
Metal	'000 tonnes	-	-	-	-	11.82	-	-	101.8	113.62	113.62
Dolomite	'000 tonnes	-	-	-	5371	5149	3722	-	15247	29489	29489
Felspar	tonne	-	-	-	-	-	-	-	72164	72164	72164
Granite											
(Dim. stone)	'000 cu m	-	-	-	-	-	-	-	34000	34000	34000
Limestone	'000 tonnes	-	-	-	1425	15507	3382	-	2200	52163	74677
Marble	'000 tonnes	-	-	-	-	1234	1602	-	-	19492	22328
Quartz-											
silica sand	'000 tonnes	-	46	8317	8363	252759	182478	27837	39767	1264473	1802868
Quartzite	'000 tonnes	-	-	-	15702	89742	112365	86951	85333	231887	621980
Tin											
Ore	tonne	-	-	-	22580000	-	31330000	-	-	53910000	53910000
Metal	tonne	-	-	-	32187.80	-	54032.80	-	-	86220.60	86220.60
Tungsten											
Ore	tonne	-	-	-	2230000	-	-	-	-	2230000	2230000
Contained WO ₃	tonne	-	-	-	3568	-	-	-	-	3568	3568

Figures rounded off.

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

Agency/ State/ District	Location	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
GSI Basemetal Mahendra-garh	West of Bakrija	-	-	-	-	-	Prospecting stage investigation (G-3) was taken up during FS 2010-12 in this Belt in the unexplored parts, with an aim to delineate the host rock for copper mineralisation and to assess the potential of copper mineralisation to the west of Bakrija. The analytical result of the core samples received has not indicated any encouraging copper value. The work has been completed.
Gypsum Hissar & Bhiwani	Western part of Haryana	-	-	5	-	20	Reconnaissance stage investigation (3-4) was taken up during FS 2010-12 at the request of DMG, Haryana to assess the potential of gypsum in inter-dunal areas covered by alluvial/aeolian sediments. The area mapped shows the presence of both longitudinal and transverse dunes. Gypsum occurs in the area as pan and pocket type deposits. No charophytes were found during mapping. Gypsum values range from 67-85% in eight samples, 41-58% in five samples and 25-34% in four samples out of 20 bedrock samples analysed so far. Analyses of pit samples indicate percentage of Gypsum ranges from 0.09-82.20%. Five shallow boreholes (up to 30m) have been drilled near Saharwa, Daryapur, Garanpura, east of Garanpura and west of Village Saharwa. All the boreholes intersected poor to moderate grade gypsum bands laminae associated with dirty white and brown clay, silty clay and sand. Chemical analysis of 15 nos. of pit samples and 13 nos. of core samples of BH-1 indicates percentage of Gypsum ranges from 0.09-82.20% and from 14.08- 0.84% respectively. The work has been completed.

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Mineral-based Industry

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)
Abrasives	
Indian Abrasives, Faridabad.	0.6
Asbestos Products	
Hyderabad Industries Ltd, Ballabgarh.	91.7
Cement	
CCI Ltd, Charkhi Dadri, Dist. Bhiwani.	174
Ceramic	
Hindustan Sanitaryware & Industries Ltd, Bahadurgarh.	NA
SPL Ltd, Bahadurgarh	35000 (sq m per day)
Somany Ceramics Ltd, Kassur, Dist. Jhajhar.	10.4 (Mill sq m)
Chemical	
Oriental Carbon & Chemcials Ltd, Dharuhera, Dist. Rewari.	55 (H ₂ SO ₄) 5 (sulphur)
Fertilizer	
NFL-Gohana Road, Panipat.	511.5 (urea) 8.70 (S)
Iron & Steel	
Jindal Stainless Ltd, Hissar.	800 (stainless steel)
Ferro-alloys	
Haryana Ferro Alloys Ltd.	2.5
Glass	
Haryana Sheet Glass Ltd., Sevli, Dist. Sonipat.	89.5
Hindustan National Glass & Industries Ltd, Ballabgarh.	690 TPD
Petroleum Refinery	
IOCL, Panipat.	15000
Refractory	
Bhaskar Refractories & SW Pipes (P) Ltd, Amar Nagar.	12
Husakha Industries, Faridabad.	2.5
Hyderabad Industries Ltd, Dharuhera.	3.5