

STATE REVIEWS



Indian Minerals Yearbook 2013 (Part- I)

52nd Edition

**STATE REVIEWS
(Haryana)**

(FINAL 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 2012-13 are furnished in Table - 2.

Production

The value of mineral production in Haryana at ₹149 crore was accrued mainly from minor minerals during 2012-13. The only mineral items reporting production in the state were slate and sulphur. It was the sole producer of slate and leading producer of sulphur. With an increase of 25%, it accounted for 49% of the national output of sulphur. (Table-3).

The value of minor minerals production was estimated at ₹149 crore for the year 2012-13.

There was a single reporting mine during 2012-13 whereas there was no mine in the previous year.

**Table – 3 : Mineral Production in Haryana, 2010-11 to 2012-13
(Excluding Atomic Minerals)**

(Value in ₹'000)

Mineral	Unit	2010-11			2011-12			2012-13 (P)		
		No.of mines	Qty	Value	No.of mines	Qty	Value	No.of mines	Qty	Value
All Minerals		-		1487198	-		1487198	1		1487461
Slate	t							1	278	263
Sulphur#	t	-	136622	-	-	174915	-	-	218633	-
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		Measured STD331		Indicated STD332	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	1.3	34	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	74677	
Marble	'000 tonnes	-	-	-	-	1234	1602	-	-	19492	22328	22328	
Quartz- silica sand	'000 tonnes	-	46	8317	8363	252759	182478	27837	39767	1264473	1802868	1811231	
Quartzite	'000 tonnes	-	-	-	15702	89742	112365	86951	85333	231887	621980	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, 2012-13

Agency/ Mineral/ District	Location	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
GSI							
Base metal							
Mahendragarh	North of Bakrija	1:2,000	0.3	4	440.55	53	Prospecting stage investigation (G-3) was carried out to demarcate host rock of copper mineralisation in the unexplored areas, north of Bakrija belonging to North Delhi fold belt. The objective of this investigation was to assess the potential of copper mineralisation both in depth and strike extension in alluvial covered areas. Detailed mapping was carried out from north of Jagreet Ki Dhani to south of Berundola village. Drilling was completed in south-western part of Jagreet Ki Dhani over a cumulative strike of 650 m to intersect the mineralised zone at 60 m vertical depth below the surface. The lithounits exposed in and around Jagreet Ki Dhani belong to Golwa – Gangutana Formation (Kushalgarh Formation of Rajasthan) of Ajabgarh Group of Delhi Supergroup. It comprises calcareous quartz biotite schist (host rock of copper mineralisation), amphibole marble, mica schist and quartzite. Analytical results of 15 nos. of channel samples indicates Cu<5 ppm, Pb<10 ppm and Zn 11-37 ppm. A total of 53 core samples from the boreholes BH- 1 to BH-4 were analysed by AAS for basemetals. The analytical results yield copper values ranging from <5 to 1704 ppm, lead values from <5 ppm to 146 ppm and zinc values ranging from <5 ppm to 431 ppm. The investigation 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

