

STATE REVIEWS



Indian Minerals Yearbook 2022

(Part- I)

61st Edition

STATE REVIEWS
(Haryana)

(ADVANCE RELEASE)

GOVERNMENT OF INDIA
MINISTRY OF MINES
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HARYANA

Mineral Resources

The State is the principal holder of country's resources of slate (85%), tin ore (64%), quartz-silica sand (42%) and quartzite (53%). The principal minerals that are found to occur in Haryana are **china clay** in Faridabad, Gurgaon & Rewari districts; **limestone** in Ambala, Bhiwani, Mahendragarh & Panchkula districts; **quartz/silica sand** in Bhiwani, Faridabad, Gurgaon & Mahendragarh districts; **quartzite** in Faridabad & Gurgaon districts; and **slate** in Mahendragarh & Gurgaon districts. Other minerals, such as, **barytes, calcite, felspar & marble** occur in Mahendragarh district; **copper** in Bhiwani & Mahendragarh districts; **dolomite** in Ambala & Mahendragarh

districts; **granite** in Bhiwani district; and **tin & tungsten** mineralisations in Tosham area of Bhiwani district have also been reported (Table-1).

Exploration and Development

The details of exploration activities conducted by GSI during 2021-22 are furnished in Table-3.

Production

Sulphur was the main mineral item reporting production in the state. The value of minor minerals' production is estimated as ₹ 172 crores for the year 2021-22 (Table-2).

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 furnished in Table - 4.

**Table-2 : Mineral Production in Haryana, 2019-20 to 2021-22
(Excluding Atomic Minerals)**

| | | (Value in ₹'000) | | | | | | | | |
|---------------------|------|------------------|--------|----------------|--------------|--------|----------------|--------------|--------|----------------|
| Mineral | Unit | 2019-20 | | | 2020-21 | | | 2021-22 (p) | | |
| | | No. of mines | Qty | Value | No. of mines | Qty | Value | No. of mines | Qty | Value |
| All Minerals | | - | | 1718901 | - | | 1718901 | - | | 1718901 |
| Sulphur # | t | - | 170907 | - | - | 138025 | - | - | 178740 | - |
| Minor Minerals @ | | - | - | 1718901 | - | - | 1718901 | - | - | 1718901 |

Recovered as by-product from fertilizer plant.

@ Figures for earlier years have been repeated as estimates because of non-receipt of data.

Table – 1: Reserves/Resources of Minerals as on 1.4.2020: Haryana

| Mineral | Unit | Reserves | | | | Remaining Resources | | | | | | | | Total Resources (A+B) |
|-----------------|-------------|----------|----------|---------|-----------|---------------------|-----------------|----------|----------|-----------|----------|----------------|-----------|-----------------------|
| | | Proved | Probable | | Total (A) | Feasibility | Pre-feasibility | | Measured | Indicated | Inferred | Reconnaissance | Total (B) | |
| | | | STD 111 | STD 121 | | | STD122 | STD211 | | | | | | |
| Copper | | | | | | | | | | | | | | |
| Ore | '000 tonnes | - | - | - | - | - | 2230 | - | - | 20900 | 30678 | - | 53816 | 53816 |
| Metal | '000 tonnes | - | - | - | - | - | 11.82 | - | - | 73.19 | 94 | - | 179.01 | 179.01 |
| Limestone | '00 tonnes | - | - | - | - | 1425 | 15507 | 3382 | - | 2200 | 52163 | - | 74677 | 74677 |
| 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 – 3 : Details of Exploration Activities in Haryana, 2021-22

| Agency/ Mineral/ District | Location | Mapping | | Drilling | | Sampling (No.) | Remarks Reserves/Resources estimated |
|---------------------------------|--------------|---------|-----------------|---------------------|----------|-------------------|---|
| | | Scale | Area (sq km) | No. of boreholes | Meterage | | |
| GSI | | | | | | | |
| REE & RM | | | | | | | |
| Mahendragarh | Mosnuta area | - | - | - | - | - | The investigated area is a part of the Delhi Supergroup and exposes the rocks of Golwa-Gangutana Formation and Deota-Dantal Formation of Ajabgarh Group which are intruded by the several younger pegmatites of Post Delhi Intrusive. For the first time, three bands of the carbonaceous phyllite from the Golwa-Gangutana Formation have been reported from the North Delhi Fold Belt (NDFB) located at three different locations in the investigated area viz. first band of about 100-120m in thickness, having 1.0 km strike length observed near Golwa, the second band of 80-90m in thickness, having a strike length of 800m near SE of Patan & third band is having an outcrop exposure present in 1 sq. km of an area identified from west of Nangal Durgu. Chemical results of 18 nos. of BRS samples from carbonaceous phyllite bands from various locations yielded vanadium values ranging from 229 ppm to 1009 ppm (Avg. 532 ppm) whereas in the pit samples (18 nos.) vanadium values ranging from 244ppm to 1459ppm (Avg. 744ppm). |

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Table - 4: Principal Mineral-based Industries

| Industry/plant | Capacity (’000 tpy) |
|--|---|
| Asbestos Products | |
| Hyderabad Industries Ltd, Ballabgarh. | 91.7 |
| Cement | |
| Shree Cement (formerly, unit of Jaypee Cement), Panipat (G). | 1500 |
| J K Cement Ltd, Jharli, Distt Jhajjar (G). | 1500 |
| J K Laxmi, Bijitpur, Distt Jhajjar (G). | 1300 |
| UltraTech Cement, Panipat (G). | 1300 |
| UltraTech Cement, Jhajjar (G). | 1600 |
| Ceramic/Sanitaryware | |
| Hindustan Sanitaryware & Industries Ltd, Bahadurgarh. | 1.4 |
| SPL Ltd, Bahadurgarh. | 35000 (sq m/day) |
| Somany Ceramics Ltd, Kassur, Distt Jhajjar. | 10.4 (Mill sq m) |
| Chemical | |
| Oriental Carbon & Chemicals Ltd, Dharuhera, Distt Rewari. | 28500 |
| Bhalla Chemical Works Pvt Ltd, Ballabgarh. | 10 (Zirconium derivatives) 5 (Zirconium silicate opacifiers) |
| Saint Gobain Gyproc India Ltd (formerly India Gypsum Ltd), Jind. | NA |
| S. B. Zircon Pvt. Ltd. Sikri, Ballabhgarh | 3 (Zirconium opacifiers) |

(contd)

Table - 4 (concl'd)

| Industry/plant | Capacity (’000 tpy) |
|--|--------------------------|
| Varun Electrode Pvt Ltd, Panipat. | 3.6 |
| Electrode | |
| Devay Udyog, Charkhi Dadri | 0.40 |
| Fertilizer | |
| NFL, Gohana Road, Panipat. | 511.5 (Urea) 8.70 (S) |
| Kisan Phosphates Pvt. Ltd, Gawar, Hisar. | 132 (SSP) |
| Nitin Chemicals & Fertilizers Ltd, Rukri, Ambala. | 20 (SSP) |
| Iron & Steel | |
| Jindal Stainless Ltd, Hisar. | 780 (stainless steel) |
| Ferroalloys | |
| Haryana Ferro Alloys Ltd, | 2.5 |
| Glass | |
| Haryana Sheet Glass Ltd, Sevli, Distt 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 |

G: Grinding Unit

Note: Data, not readily available for Fertilizer and Cement Industries on respective websites, is taken from Indian Fertilizer Scenario, FAI Statistics and Survey of Cement Industry & Directory, respectively.