

STATE REVIEWS



Indian Minerals Yearbook 2020

(Part- I)

59th Edition

STATE REVIEWS
(Punjab)

(ADVANCE RELEASE)

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PUNJAB

Mineral Resources

Minerals reported to occur in the State are **quartz** and **silica sand** in Hoshiarpur district; and **quartzite** in Hoshiarpur & Ropar (Rupnagar) districts (Table - 1).

Exploration & Development

Exploration activities carried out for Potash by GSI during the year 2019-20 are furnished in Table-2.

Production

Production of minor minerals was only reported in the State. The value of minor minerals production was estimated at ₹ 287 lakh for the year 2019-20.

Mineral-based Industry

The present status of each Mineral-based Industry is not readily available. However, the important Mineral-based Industries in the Organised Sector in the State are furnished in Table - 3.

Table – 1: Reserves/Resources of Minerals as on 1.4.2015 : Punjab

| Mineral | Unit | Reserves | | Remaining Resources | | Total resources (A+B) |
|---------------------------------|-------------|-----------|-------------------|---------------------|-----------|-----------------------|
| | | Total (A) | Indicated STD 332 | Inferred STD 333 | Total (B) | |
| Quartz/silica sand [#] | '000 tonnes | - | - | 3927 | 3927 | 3927 |
| Quartzite [#] | '000 tonnes | - | 116 | 81796 | 81912 | 81912 |

Figures rounded off

Declared as Minor Mineral vide Gazette Notification dated 10.02.2015

Table –2 : Details of Exploration Activities in Punjab, 2019-20

| Agency/ Mineral/ District | Location Area/ Block | Mapping | | Drilling | | Sampling (No.) | Remarks Reserves/Resources estimated |
|--|----------------------------|---------|-----------------|---------------------|----------|-------------------|---|
| | | Scale | Area (sq km) | No. of boreholes | Meterage | | |
| GSI Potash Fazilka | Sherewala block | 1:4000 | 7.0 | 1 | 815 | 182 | Preliminary exploration (G3) for potash in this block was carried out. A borehole was drilled up to a depth of 815 m. On the basis of core logging and visual estimation, halite cycles were intersected from a depth of 460.75 to 786.20 m. The Geophysical logging of the borehole was carried out up to 509 m. As per geophysical logging, low natural gamma count, low density values were recorded at the depth from 452.4 to 482.9 m and 484.3 to 508.3 m, due to high salinity in the borehole which may may also be an indication of halite in the formation. |

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Table – 3: Principal Mineral-based Industries

| Industry/plant | Capacity (’000 tpy) |
|-------------------------------------|--|
| Alloy Steel | |
| Antarctic Industries Ltd, Ludhiana | 120 |
| Cement | |
| Ambuja Cement, Ropar (Rupnagar) (G) | 2500 |
| Asian FCPL, Patiala | 1500 |
| Ambuja Cement, Bathinda (G) | 1200 |
| UltraTech Cement, Bathinda (G) | 1750 |
| Chemical | |
| Siel Chemical Complex, Charatrapur | 74.3 (NaOH) 65.8 (Cl) 18 (bleaching powder) 66.0 (HCl) |

(contd)

Table - 3 (concl'd)

| Industry/plant | Capacity (’000 tpy) |
|---|-------------------------------|
| VTPL (Vardhaman Industries Ltd), Distt Patiala | 60 |
| Fertilizer | |
| NFL, Nangal, Distt Ropar (Rupnagar) | 478.5 (Urea) 22 (methanol) |
| NFL, Sibian Road, Distt Bathinda | 511.5 (Urea) 8.7 (S) |
| Petroleum Refinery | |
| HPCL Mittal energy Ltd, Bathinda | 9000 |
| Sponge Iron | |
| Vallabh Steels Ltd, Sahnewal, Ludhiana | 120 |

(G): Grinding units.

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