



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

खनिज पिसाई एवं प्लास्टर संयंत्र ऑपरेटर

A Mineral Grinding & Plaster Plant Operator runs the unit that turns stone into powder. Minerals such as calcite, dolomite, quartz and gypsum are broken in a crusher, ground fine in a ball mill or Raymond mill, sorted through...



Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/mineral-grinding-operator

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri · ब्लॉक समदड़ी · बालोतरा (Block Samdari · Balotra)

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Principal, GSSS Jethantri · Master Trainer



श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
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भरत चौधरी

अभिकल्पना व विकास · व्याख्याता (इतिहास)
Designed & developed · Lecturer (History)

विशेष धन्यवाद · SPECIAL THANKS



सुरेन्द्र सिंह राठौड़

व्याख्याता (इतिहास) · रा.उ.मा.वि. कानाना



सुरेश कुमार सैन

व्याख्याता (भूगोल) · रा.उ.मा.वि. रामसीन मूंगड़ा



वनिता कुमारी

व्याख्याता (इतिहास) · रा.उ.मा.वि. रामसीन मूंगड़ा



कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) · रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

1 About this career

A Mineral Grinding & Plaster Plant Operator runs the unit that turns stone into powder. Minerals such as calcite, dolomite, quartz and gypsum are broken in a crusher, ground fine in a ball mill or Raymond mill, sorted through screens and filled into bags. In a plaster of Paris (POP) unit the same person also runs the calciner, which drives water out of the gypsum before it is ground. The powder goes into cement, paint, paper, glass, ceramics, medicines and building work. In Rajasthan this trade is not scattered — the Government of India's district industrial profiles record separate clusters of it at Churu (Sardarshahar and Sahwa), Hanumangarh, Dausa and Sirohi (Pindwara).

2 At a glance

Minimum qualification	Class 8/10 pass + age 18; an ITI (Fitter/Electrician) helps
Course duration	Short skill course 3–6 months, or an ITI of 1–2 years
Starting salary	About ₹11,000–15,000/month (read the note below)
Work mode	Full-time at a grinding/POP unit, often on shifts

3 What you need

INTERESTS

- Interest in running and setting machines, and in hearing when one is going wrong
- Interest in measurement, fineness and checking quality
- Enjoy working with stone and minerals

ABILITIES

- Physically fit, and able to stay alert through a long shift
- Ability to do simple calculations and keep records
- Discipline in following safety rules — here this is the single most important ability

KEY SKILLS

- Operating and setting crushers, ball mills, Raymond mills and pulverisers
- Managing calciner/kiln temperature in a POP unit
- Maintaining and replacing belts, bearings, liners and grinding media
- Keeping records of production, bag counts and quality
- Controlling powder fineness (mesh size) with screens
- Running and cleaning dust-control systems (bag filters, dust collectors)
- Correct use of safety gear — especially a respirator rated for dust, not a cloth mask

4 How to get there

- 1 Complete Class 8 or 10 and reach the age of 18.
- 2 Take an ITI trade such as Fitter, Electrician or Attendant Operator (Chemical Plant) — these are the trades that run a grinding unit's machines.
- 3 Or take a short skill course from RSLDC/NSDC/JSS and get hands-on machine-operation training.
- 4 Start as a helper at a nearby grinding or POP unit — that is the usual way this trade is learnt.
- 5 Before joining, ask whether the unit has dust control and regular health check-ups. Asking that question is your right.

5 Where to study**GOVERNMENT INSTITUTES**

- राजकीय औद्योगिक प्रशिक्षण संस्थान (आई.टी.आई.), राजस्थान — In every district (<https://livelihoods.rajasthan.gov.in/>)
- राजस्थान कौशल एवं आजीविका विकास निगम (RSLDC) — Jaipur and district centres (<https://livelihoods.rajasthan.gov.in/rsldc/>)
- राष्ट्रीय कौशल विकास निगम (NSDC) — All-India network (<https://www.nsdcindia.org/find-nsdc-training-centre>)
- जन शिक्षण संस्थान (JSS) — Various districts of Rajasthan (<https://nsdcindia.org/find-nsdc-training-centre-jss/>)
- भारतीय खान ब्यूरो (IBM) — खनिज प्रसंस्करण प्रकाशन — Nagpur (national) (<https://ibm.gov.in/>)

FEES

Government ITI fees are very low, and short courses from RSLDC, NSDC and JSS are usually free. Most workers learn this trade with no fee at all, by joining a unit as a helper — a course is not compulsory, but it gives a better grounding in the machines and in safety.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in/fresh/onlineInstituteSearchIndex>)
- Buddy4Study – ITI/Vocational Scholarships (<https://www.buddy4study.com/article/iti-scholarships>)
- SJE Rajasthan Scholarships (<https://sje.rajasthan.gov.in/>)

6 What the work is like

WHERE YOU WORK

Mineral grinding units and POP plants — the Government of India's district industrial profiles record clusters of them at Churu (Sardarshahar, Sahwa), Hanumangarh, Dausa and Sirohi (Pindwara). Cement, paint, glass, ceramic and building-materials factories also employ people with the same skills.

WORK CULTURE

Usually 6 days a week, often on 8-hour shifts. The work is in a shed among machines with constant noise and fine dust. A good unit has bag filters, water spray and proper respirators; a poor one does not — and that difference is the difference to your lungs. After experience there is scope to set up a small unit of your own, because the capital needed is far less than for a large factory.

WHO HIRES

- | | |
|---|---|
| • Units of the Plaster of Paris cluster at Sardarshahar and Sahwa, Churu | • The POP cluster at Hanumangarh (Hanumangarh Industrial Association) |
| • Mineral grinding units at Dausa (dolomite grinding) | • The mineral powder cluster at Pindwara, Sirohi (calcite powder) |
| • Cement, paint, glass and ceramic factories that take ground mineral as raw material | • Building-materials wholesalers and firms supplying POP |

DEMAND (2026)

This demand is a recorded fact rather than an estimate: the Government of India's MSME-Development Institute district profiles record a separate cluster of this work in at least four Rajasthan districts — Churu, Hanumangarh, Dausa and Sirohi. Ground mineral goes into cement, paint, paper, glass and building work, so the demand holds as long as construction does. Note that those reports are of 2010-12 vintage and their unit counts are deliberately not repeated here; what stands is that the work exists in these districts and is recorded by name.

7 Career growth

- 1 Helper / Bagging assistant
- 2 Mill Operator (crusher, ball mill, pulveriser)
- 3 Shift in-charge / Quality and maintenance supervisor
- 4 Unit supervisor / Own grinding or POP unit

EARNINGS

Starting	₹11,000–15,000/माह
Mid level	₹16,000–25,000/माह
Senior level	₹28,000–45,000+/माह

Honestly: no wage survey specific to this trade was found, so the range above is anchored on the nearest comparable roles already on this portal — Stone Cutter and Industrial Production Worker (Food Processing) — and should be read as an estimate, not as evidence. Actual pay varies with the size of the unit, the shift and the district. Before joining any unit, ask about pay, shift and safety — all three, and in writing.

8 The good parts · The challenges

The good parts

- Can be started with limited schooling, and the trade can be learnt on the job
- The work exists in Churu, Hanumangarh, Dausa and Sirohi — a real chance of a job near home
- A path to owning a small unit stays open, on far less capital than a large factory needs

The challenges

- The biggest hazard is silicosis — an incurable lung disease caused by fine dust from calcite, quartz and sandstone. A cloth mask does not stop it; a proper respirator, bag filters and wet grinding are needed. The Rajasthan government runs a grant scheme for silicosis patients, and the 30 districts listed on its portal include Churu, Dausa, Hanumangarh and Sirohi — the very districts where this work is.
- Constant noise affects hearing, and there is injury risk from rotating machinery and belts
- Entry pay is low, the work is physically tiring, and many units are small and informal, where written terms are rare

9 Sources & further reading

1. Silicosis Grant Disbursement Portal, Government of Rajasthan — <https://silicosis.rajasthan.gov.in/>
2. MSME District Industrial Profile — Churu (Plaster of Paris cluster) — https://dcmsme.gov.in/dips/DIPR_Churu.pdf
3. MSME District Industrial Profile — Dausa (Mineral Grinding) — https://dcmsme.gov.in/dips/DIPR_Dausa.pdf
4. Labour Department, Government of Rajasthan — <https://labour.rajasthan.gov.in/>
5. NSDC — Find a Training Centre — <https://www.nsdcindia.org/find-nsdc-training-centre>



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