



# Precision Granite Recovery

South India's only super primary granite processing unit (550 TPH, 800+ TPH total capacity) on a 6-acre integrated site. Built for a circular economy, it converts granite waste into high-quality construction materials through a closed-loop process. Reducing landfill impact, conserving natural resources, and meeting environmental standards.

• SUSTAINABLE

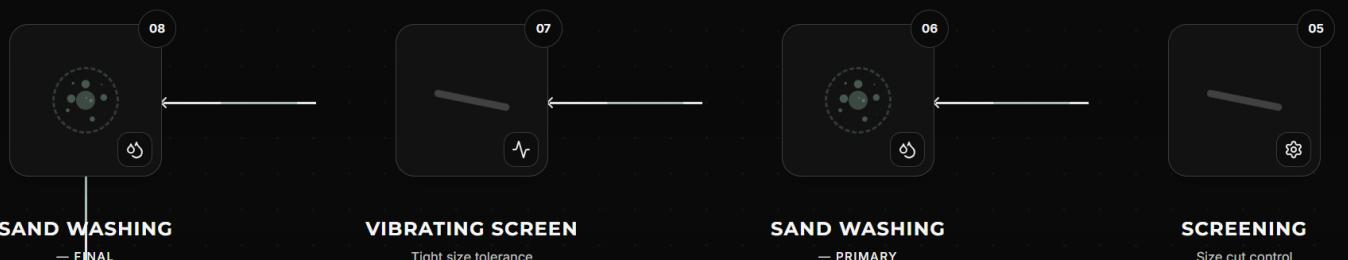
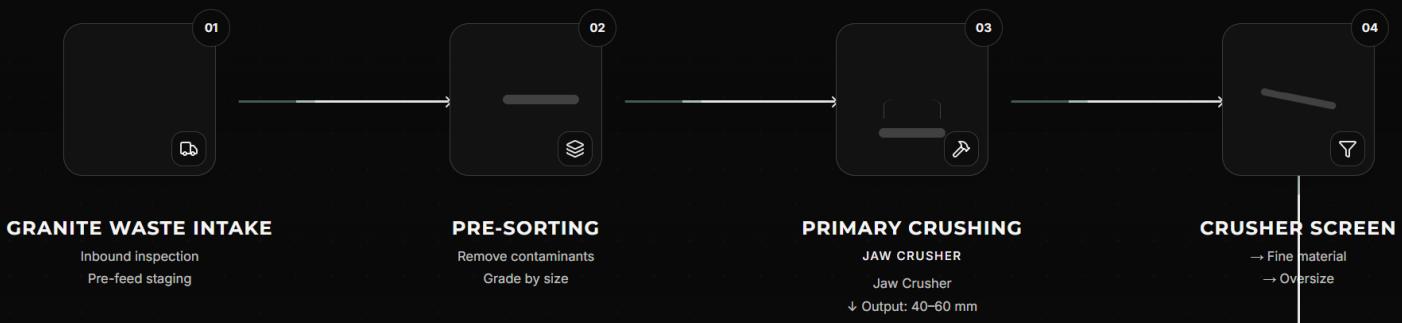
• COMPLIANT

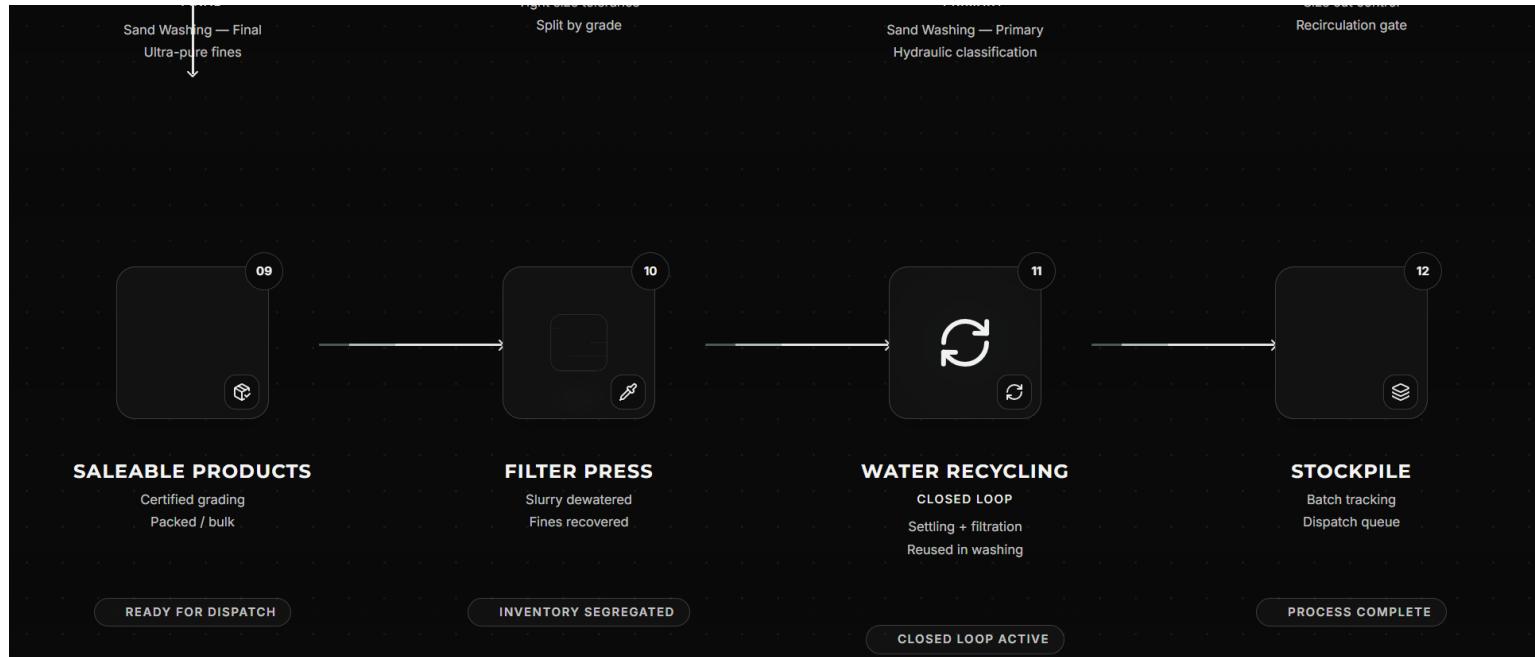
• SCALABLE

• FUTURE-READY

## CLOSED-LOOP RECYCLING PROCESS

Recreated exact industrial workflow: a fully integrated, zero-waste model where granite waste is converted into certified construction materials.





# TECHNICAL ARCHITECTURE & WORKFLOW

- **PHASE I: MATERIAL REDUCTION**

- **PHASE II: CLASSIFICATION & WASHING**

- **CLOSED-LOOP WATER MANAGEMENT**

90%

ZLD

## Continuous

- Clarified water from the washing process is treated through high-pressure settling tanks and filter press systems, then pressurized for immediate reuse within the primary washing cycle.

# India is growing faster than ever

The way it grows matters now more than at any time before. As India expands, its cities rise higher, its infrastructure stretches wider, and its built environment evolves at an unprecedented pace.



Growth, redesigned — quietly and at scale



## Closed-Loop Water Systems

Up to 90% water reuse efficiency through controlled recycling and filtration.



## Controlled Production

Crushing and screening operate in sealed environments to contain noise, dust, and drift.



## Air Quality Containment

Mist cannons and high-efficiency bag filters reduce airborne particulates beyond site boundaries.



## Value from What Exists

Slurry and fines are converted into saleable products—designed for zero waste.



## Buffer Landscapes

Dedicated green belt zones help stabilize local ecology and reduce industrial edge effects.

## WHY THE WAY WE BUILD NOW MATTERS

### WHAT SITS BENEATH GROWTH

As India expands, its cities rise higher, its infrastructure stretches wider, and its built environment evolves at an unprecedented pace. Homes, schools, hospitals, offices, and institutions are created to sustain this momentum. All of it rests on materials that are rarely questioned.

For decades, development relied on what was available — not because it was ideal, but because it was necessary. Construction demanded scale, and scale demanded sourcing that reached deep into the land. The cost of this approach was not always immediate. It travelled slowly, dispersing beyond its origin, touching systems far removed from the construction site itself.

This became part of the background of growth. Familiar. Unexamined. Accepted. Some impacts are not loud — they are pervasive.

Material extraction does not occur in isolation. It takes place within landscapes that often serve more than one purpose. These landscapes feed cities, but they also sustain agriculture, water systems, and communities. When disruption occurs at this depth, its effects do not remain contained. They move outward — carried by air, settling gently, accumulating quietly.

Over time, these interactions blend into daily life. They do not announce themselves. They simply persist. For a long time, this felt unavoidable.

### A PRACTICAL ALTERNATIVE AT SCALE

Change does not begin with restraint. It begins with redesign. By rethinking how construction materials are sourced and produced — by working with what already exists rather than extending further into sensitive landscapes — it becomes possible to support growth without compounding damage.

This shift does not rely on reduction or sacrifice. It relies on precision, control, and engineering discipline. The outcome is subtle. The implications are not.

Environmental impact is cumulative by nature. What enters shared systems continues to move through them — through air that circulates freely, through land that supports more than buildings. When materials are produced with greater control and fewer disturbances, this movement begins to slow. Not abruptly. But decisively.

Growth continues. Its footprint simply stops expanding outward. This is not a pause in progress. It is a refinement of it.

India does not need to choose between development and responsibility. It needs systems that allow both to exist together — quietly, consistently, and at scale.

Some of the most important changes happen beneath the surface. They

Development was never the issue. The absence of alternatives was. India's growth could not slow down. Infrastructure had to be built. Materials had to come from somewhere.

The question was not whether construction should happen — but whether it could happen differently. Until recently, there was no practical answer that could meet scale, consistency, and responsibility at the same time. That is no longer the case.

reshape everything built above it. BlackDiamond Granites is building that foundation.



#### PRECISION

Engineered process controls that keep material movement measurable and contained.



#### CONTROL

Dust and fine particles are suppressed at source—before they disperse into shared air.



#### CONTINUITY

Closed-loop water handling reduces disturbances to the landscapes around the site.

**OPERATIONAL MANDATE: GROWTH CONTINUES — THE FOOTPRINT STOPS EXPANDING OUTWARD.**

## Recycled Construction Materials

Granite waste is transformed into high-quality, application-ready construction products suitable for infrastructure and building projects.



### M-Sand

MANUFACTURED SAND

01

### P-Sand

PLASTERING SAND

02

### GSB & Aggregates

GRANULAR SUB-BASE

03

### Recycled Tiles & Pavers

VALUE-ADDED PRODUCTS

04

*Recycled outputs are produced from granite dust, slurry, and rejected stone blocks. These materials meet construction standards for infrastructure, concrete, and paving applications while reducing dependence on natural river sand and virgin aggregates.*

## Designed for Long-Term Value

This facility represents a future-ready industrial model aligned with circular economy principles, regulatory frameworks, and sustainable infrastructure growth.



We bridge the gap between industrial waste management and the growing demand for sustainable construction materials.



Reduced dependency on natural sand and quarrying



Strong regulatory positioning and approval readiness



Scalable operations on large land parcel



Consistent demand from regional infrastructure development

Environmentally responsible revenue generation

### STRATEGIC INVESTMENT RATIONALE

#### RESOURCE EFFICIENCY & SCALE

The project is anchored by South India's only super primary processing unit (550 TPH) and engineered for 800+ TPH total capacity. This scale enables immediate high-throughput operations while preserving a disciplined, closed-loop model. The facility sits on a strategic 6-acre land parcel, providing ample space for optimized stockyard management, high-volume water treatment systems, and future modular capacity expansion.

#### REGULATORY ADVANTAGE & MARKET GAP

With rapid urbanization in the region and increasing state-level restrictions on natural river sand mining, BlackDiamondGranites occupies a critical market gap. Our certified recycled materials provide a sustainable, compliant, and cost-effective alternative for Tier-1 infrastructure developers, ensuring consistent off-take and revenue stability.

#### CAPEX ADVANTAGE

Leveraging existing infrastructure to minimize entry costs and maximize ROI.

#### OPERATIONAL STABILITY

Scalable process logic with redundant safety and environmental systems.

***Designed for long-term operational stability, regulatory readiness, and sustainable revenue generation in the circular economy.***

**BlackDiamond**Granites

A premium industrial initiative transforming waste into resource through precision engineering.

Investment Technology Compliance Contact

