

Vision 2031: Making Kerala the Global Biotech Hub

From Startup to Unicorn - A Roadmap for Economic Transformation

Vision 2031 Conference | February 15-17, 2026

The Journey: From Zero to Global Leader

Started Molecules Biolabs from absolute zero

Built to ₹100 crores revenue milestone

Expanded exports to 48 countries worldwide

Launched Atomin Innovation (advanced Drug delivery Manufacturing and Commercial Arm)

Established Akore Formulations (specialized topical delivery)

Created foundation for integrated biotech ecosystem

₹100Cr+
Annual Revenue

48
Export Countries

3+
Company Ventures

Current Status: Building the Foundation

Strengths Established:

- Proven business model at scale
- International market presence
- Technical expertise in biotech manufacturing
- Quality certifications and compliance
- Established supply chain networks
- Track record of innovation

Years of Operation

Active since inception

Product Portfolio

Expanding continuously

Market Reach

5 continents

Quality Standards

ISO/GMP certified

Vision 2031: Making Koratty & Kerala a Global Biotech

Transform Koratty into a world-class biotech manufacturing and innovation cluster, contributing to Kerala's economic growth and establishing the state as India's premier life sciences destination

Economic Impact

₹1000Cr+ Group Valuation
(Unicorn Status)

Employment

1000+ Scientists
by 2031

Innovation

R&D Hub for
Biotech Advances

5-Year Roadmap: 2026-2031



Investment Requirements

Infrastructure: ₹200-300 Crores

R&D Facilities: ₹100-150 Crores

Technology & Equipment: ₹150 Crores

Talent Acquisition: ₹100 Crores

Working Capital: ₹150-200 Crores

Total Estimated: ₹700-900 Crores

Strategic Opportunities for Kerala

Skilled Talent Pool

Kerala's high education levels and quality institutions provide ready access to qualified scientists and technicians

Strategic Location

Proximity to ports, international airport, and connectivity to major cities enables efficient logistics

Government Support

State initiatives in biotech, KINFRA industrial parks, and progressive policies create enabling environment

Quality of Life

Kerala's healthcare, education, and living standards help attract and retain top talent

Ecosystem Synergy

Growing cluster of life sciences companies, research institutions creates collaboration opportunities

Cost Advantages

Competitive operational costs compared to established hubs like Bangalore/Hyderabad

Key Challenges & Mitigation Strategies

Talent Acquisition at Scale

Risk: Finding 1000 qualified scientists in 5 years

Mitigation Strategy:

Partner with universities | Campus recruitment programs | Competitive packages | Alumni network | Industry-academia collaboration

Capital Requirements

Risk: ₹700-900 Cr funding needed over 5 years

Mitigation Strategy:

Phased investment approach | Government schemes | Revenue reinvestment | Strategic collaboration

Infrastructure Development

Risk: Building world-class facilities in Koratty

Mitigation Strategy:

Leverage KINFRA support | Public-private partnerships | International consultants | Modular approach

Additional Challenges & Solutions

Regulatory Compliance

Risk: Meeting international quality standards

Mitigation Strategy:

Dedicated regulatory team | Early engagement with authorities | International certifications | Quality-first culture

Market Competition

Risk: Competing with established hubs

Mitigation Strategy:

Niche specialization | Innovation focus | Cost leadership | Kerala advantages | Strategic partnerships

Alignment with Kerala's Development Vision 2031

Govt Vision: Economic Diversification

Our Role: Moving beyond traditional sectors into high-value biotech manufacturing

Govt Vision: Employment Generation

Our Role: 1000+ high-quality scientific jobs, multiplier effect on local economy

Govt Vision: Knowledge Economy

Our Role: R&D center, innovation ecosystem, industry-academia partnerships

Govt Vision: Export Growth

Our Role: Already exporting to 48 countries, significant forex earnings

Govt Vision: Regional Development

Our Role: Transforming Koratty into biotech hub, attracting ancillary industries

Govt Vision: Skill Development

Our Role: Training programs, internships, collaboration with universities

Expected Impact by 2031

Economic Impact

- Group Valuation: ₹1000+ Crores (Unicorn)
- Annual Revenue: ₹500-700 Crores
- Tax Contribution: ₹100+ Crores annually
- Ancillary business creation: 50+ companies

Employment Impact

- Direct Employment: 1000+ scientists
- Indirect Employment: 2000+ support roles
- Average Salary: ₹8-12 LPA (scientists)
- Total Payroll: ₹800+ Crores over 5 years

Innovation Impact

- Patents filed: 50+ over 5 years
- R&D Investment: ₹150+ Crores
- University partnerships: 10+ institutions
- Research publications: 100+

Regional Impact

- Koratty biotech cluster established
- Real estate development boost
- Infrastructure improvements
- Quality of life enhancement

Government Support & Partnership Opportunities

Policy Support

- Biotech cluster designation for Koratty
- Streamlined regulatory approvals
- Tax incentives for R&D activities
- Ease of land acquisition for expansion

Financial Support

- Capital subsidies for infrastructure
- Interest subvention on loans
- Venture capital fund participation
- R&D grants and incentives

Infrastructure Support

- Enhanced connectivity to Koratty
- Common testing facilities
- Shared R&D infrastructure
- Effluent treatment facilities

Additional Support Requirements

Talent Development

- Industry-oriented curriculum support
- Internship program facilitation
- Skill development initiatives
- Faculty exchange programs

Market Development

- Trade delegation support
- Export promotion assistance
- International certification support
- Participation in global conferences

Ecosystem Building

- Incubation center support
- Startup ecosystem development
- Cluster management support
- Industry associations

Critical Success Factors

Leadership Commitment

Strong, visionary leadership driving transformation with hands-on execution

Talent Strategy

Aggressive recruitment, competitive compensation, continuous training, retention programs

Innovation Culture

Continuous R&D investment, encouraging experimentation, protecting IP

Customer Focus

Deep understanding of market needs, responsive service, long-term relationships

Quality Focus

Uncompromising commitment to international quality standards and certifications

Financial Discipline

Prudent capital allocation, milestone-based funding, strong governance

Partnership Approach

Strategic alliances with government, academia, industry, international partners

Sustainability

Environmental responsibility, social impact, ethical operations

Call to Action: Building Kerala's Biotech Future Together

This vision is achievable with commitment, collaboration, and courage. Together, we can transform Koratty and Kerala into a global biotech powerhouse, creating prosperity, innovation, and thousands of high-quality jobs for our youth.

Government to designate Koratty as biotech special zone

Facilitate regulatory approvals and land acquisition

Provide financial incentives and infrastructure support

Industry to commit to investment and execution timeline

Academia to align curriculum with industry needs

All stakeholders to work in coordinated partnership

Kerala's Path to Utah-Level Success: Key Learnings

What Utah Did Right

✓ Government Support

Tax incentives, streamlined regulations, dedicated biotech zone

✓ University Partnership

University of Utah became R&D anchor with tech transfer office

✓ Capital Access

State-backed venture funds, angel networks, attracted Silicon Valley VCs

✓ Infrastructure

Built specialized biotech parks with shared facilities

✓ Talent Pipeline

Aligned university programs with industry needs, national recruitment

✓ Business Climate

Pro-business policies, low cost of living, quality of life

✓ Anchor Companies

Attracted major pharma to establish R&D centers

✓ Marketing

Positioned as 'Silicon Slopes' - creating distinct brand identity

Kerala's Competitive Edges + Actions

★ Lower Costs

40-50% lower operational costs than Bangalore/US hubs - Market advantage

★ Superior Talent

Highest literacy, quality education - Attract from across India

★ Quality of Life

Healthcare, safety, culture - Retention and international attraction

★ Export Experience

Already in 48 countries - Scale faster than Utah's timeline

★ Government Ready

KINFRA, Vision 2031 alignment - Faster approvals than Utah

★ Time Advantage

Learn from Utah's 30-year journey - Achieve in 10-15 years

★ Existing Base

Molecules at Rs100Cr - Anchor company already exists

★ Brand Strategy

Position as India's Biotech Gateway - Create global brand

Thank You



Together, Let's Make Kerala the Global Biotech Hub

**Molecules Biolabs (Atomin Innovation
Group) Koratty, Kerala**

Building India's Biotech Future from Kerala