Praj Matrix Launches Advanced Precision Fermentation Lab, Advancing Next-Generation Industrial Biotechnology for India's BioE3 Vision

Pune, India | April 20, 2026: Praj Industries today announced the establishment of an Advanced Precision Fermentation Lab at Praj Matrix to drive next-generation biotechnology and accelerate India's transition to high-performance, low-carbon biomanufacturing. Announced on the occasion of the 18th Praj Matrix Foundation Day, the initiative reflects Praj's commitment to advancing India's bioeconomy through cutting-edge innovation, skill development, and strong academia–industry collaboration.

The new lab, one of a kind globally, will focus on high-capacity, AI-enabled precision fermentation and next-generation bioprocesses to improve efficiency, reduce scale-up risks, and enhance process reliability. It will enable Praj and Praj HiPurity Systems (Praj's wholly owned subsidiary in Mumbai), known for its expertise in precision fermenters and ultra-pure water systems for the pharmaceutical and biotech industries, to deliver advanced fermentation solutions to the pharmaceutical, food, cosmetics and to biofuels and beverage sectors. The facility is being developed to further strengthen Praj's capabilities in next-generation biomanufacturing.

Combined with BRIC–NCCS's strengths in microbial research, genomics, and cell culture repositories, this creates a strong synergy—integrating discovery, process development, and high-purity manufacturing to accelerate innovation.

Aligned with the Government of India's BioE3 (Biotechnology for Economy, Environment and Employment) Initiative, steered by the Department of Biotechnology, the initiative supports the national vision of building a globally competitive, sustainable biomanufacturing ecosystem.

On the occasion, and in the presence of Dr. Rajesh S. Gokhale, Secretary, Department of Biotechnology (DBT), Government of India, Praj also formalized a Memorandum of Understanding (MoU) with BRIC–NCCS (Biotechnology Research and Innovation Council – National Centre for Cell Science).

The collaboration is designed as a model academia–industry partnership to accelerate the transition from scientific discovery to scalable biomanufacturing. It will focus on building advanced bioprocessing capabilities, discovering useful biomolecules and microbial strains, providing hands-on training and internships for PhD scholars, and enabling joint research, sponsorships, and long-term collaboration between academia and industry.

Dr. Rajesh S. Gokhale, Secretary, Department of Biotechnology (DBT), Government of India, commented, *"India's bioeconomy growth will be driven by strong academia–industry linkages and a skilled scientific workforce. Such initiatives and collaborations align well with DBT's vision of fostering translational research and building capacity in biotechnology. They*

will play a vital role in accelerating innovation and strengthening India's bio-based economy."

Dr. Pramod Chaudhari, Founder Chairman of Praj Industries, added, *"The Advanced Precision Fermentation Lab at Praj Matrix represents a significant leap in our innovation journey. It brings together biology, engineering, and digital technologies to create scalable, low-carbon solutions. Combined with our collaboration with BRIC–NCCS, it will play a key role in building talent and accelerating the transition from discovery to commercial biomanufacturing."*

Over the years, Praj Matrix has pioneered a wide range of advanced technologies across biofuels, renewable chemicals like biopolymers and biobitumen—supporting decarbonization and strengthening India's journey towards energy self-reliance. Its research also spans enzyme development, industrial biotechnology, and critical water and wastewater treatment solutions, including ultra-pure water systems for the pharmaceutical industry. With a strong innovation backbone comprising over 90 scientists, multiple specialized laboratories, and a robust intellectual property portfolio with 300+ national and international patents, Praj Matrix serves as the core innovation engine for Praj Industries. These indigenously developed technologies are scaled up by Praj Industries into commercially viable solutions deployed across global markets.

Anchored in Praj's philosophy of collaborative innovation, Praj Matrix continues to evolve as a dynamic ecosystem—bringing together academia, industry, and policymakers—to accelerate India's transition towards a sustainable, bio-based economy.

About Praj Industries Limited:

Praj, India's most accomplished industrial biotech company, is driven by innovation, integration, and delivery capabilities. Over the past four decades, Praj has focused on environment, energy, and agri-process industry, with more than 1000 customer references spanning more than 100 countries across six continents. Bio-Mobility® and Bio-Prism® are the mainstays of Praj's contribution to the global Bioeconomy. The Bio-Mobility® platform offers technology solutions globally to produce the renewable transportation fuel, thus ensuring sustainable decarbonization through a circular bioeconomy. The Company's Bio-Prism® portfolio comprises technologies to produce renewable chemicals and materials, promises sustainability while reimagining nature. Praj Matrix, the state-of-the-art R&D facility, forms the backbone for the company's endeavours towards a clean energy-based Bioeconomy. Praj's diverse portfolio comprises Bio-energy solutions, Critical process equipment & skids, Breweries, Zero liquid discharge systems and High purity water systems. Led by accomplished

and caring leadership, Praj is a socially responsible corporate citizen. Praj is listed on the Bombay and National Stock Exchanges of India.

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