



Jain Irrigation Systems Ltd.

Small Ideas. Big Revolutions.®

DRIVING INNOVATION, DELIVERING IMPACT: JAIN IRRIGATION SYSTEMS LTD.

At Jain Irrigation Systems Ltd. (JISL), sustainability is not a vertical—it is embedded in the roots of our business model. For over four decades, we have transformed global agriculture by offering innovative irrigation solutions that conserve water, reduce emissions, and empower millions. With presence in over 120 countries and solutions touching over 10 million farmers, Jain Irrigation is proud to be recognized as one of India's leading ESG contributors, delivering environmental, social, and governance impact at scale.

ESG IMPACT AT SCALE (AS OF MARCH 2025)

Environmental Sustainability

- **163 Billion Cubic Metres** of water saved via micro-irrigation
- **30,000+ GWh** of energy saved through energy-efficient irrigation systems

- **21 Million Tonnes CO₂** emissions reduced via drip irrigation
- **60% reduction** in methane emissions in rice cultivation through precision farming
- **16,000+ Tonnes CO₂** emissions additionally reduced through afforestation and renewable energy
- **800+ species** thrive in biodiversity-enriched company facilities
- All manufacturing units achieve **Zero Liquid Discharge (ZLD)**

SOCIAL IMPACT

- **75% women workforce (1500+ women)** in tissue culture production at Jain Hi Tech Plant Factory, leading an agricultural revolution
- **90% rural workforce** enabled sustainable livelihoods through employment
- **10 million+ farmers** globally have gained access to sustainable agri-tech
- **21 near-threatened species** protected through conservation efforts

GOVERNANCE & LEADERSHIP

- Strong alignment with **UN Sustainable Development Goals (SDGs)**
- Global partnerships with leading research institutions for scalable solutions
- Transparent impact tracking and ESG disclosures

CASE STUDY: TRANSFORMING RICE CULTIVATION WITH DRIP IRRIGATION

Conventional rice farming is highly water-intensive and a major contributor to methane emissions. Jain Irrigation's **drip irrigation and fertigation package for rice** is revolutionizing this sector across India and Asia.

KEY IMPACT:

- **40% reduction** in water consumption and methane emissions
- Eliminates stagnant water and puddling, reducing disease risk
- Reduces nitrate pollution via efficient fertigation
- Increases crop yield while reducing input waste
- Adopted by **IRRI** (International Rice Research Institute) in India, the Philippines, and Kenya

This case reflects how JISL's innovation addresses both climate challenges and farmer prosperity simultaneously—demonstrating ESG in action.

CONCLUSION

Jain Irrigation's ESG impact is rooted in tangible outcomes. From smart technologies to sustainable livelihoods, we are shaping the future of agriculture through scalable, science-backed innovations. As a business that believes in **"Small Ideas, Big Revolutions,"** we are proud to contribute to India's global ESG leadership.