

Expression of Interest
On
India-Spain Joint Call For R&D&I Projects 2024
Under
INDIA – SPAIN PROGRAMME OF COOPERATION ON INDUSTRIAL RESEARCH
AND DEVELOPMENT

1. **Company Name:** BANC BIOPOLYMERS PVT LTD
2. **Company Profile:**
3. **Country (India/Spain):** India
4. **Sector and subsectors:** Circular economy and sustainability
5. **Year Established:** 2022
6. **Contact Information:** 9888884442
7. **First Name:** Anmol
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9. **Email Id:** BANC.BUSINESS@GMAIL.COM
10. **Phone Number:** +91-9888884442
11. **Website:** <https://www.banc.co.in/>
12. **Proposed Project Summary:**

Project Title: Scaling Sustainable Biopolymer Production from Agricultural Waste for Industrial Applications

Project Overview: BANC Biopolymers aims to revolutionize the bioplastics industry by transforming agricultural waste into cost-effective, biodegradable biopolymers. This project focuses on scaling up the production of bio-based polymer materials derived from paddy straw to meet the growing demand for sustainable alternatives in packaging, consumer goods, and agricultural industries.

Project Objectives:

- **Scale-Up Production:** Expand manufacturing capacity to enhance cost efficiency and meet industry demands.
- **Product Development & Optimization:** Improve biopolymer formulations to match or exceed conventional plastic properties.
- **Market Penetration & Commercialization:** Establish industrial partnerships and secure large-scale adoption through pilot deployments.

- **Sustainability & Farmer Engagement:** Strengthen the supply chain by directly sourcing paddy straw, promoting rural economic growth, and reducing environmental pollution.
- **Regulatory Compliance & Certification:** Ensure adherence to global sustainability standards to facilitate international market entry.

Expected Outcomes:

- Increase production capacity to supply 50+ metric tons of bio-based raw materials annually.
- Secure long-term contracts with FMCG and packaging companies.
- Reduce agricultural waste burning and associated air pollution.

By integrating innovation, sustainability, and commercialization, this project contributes to a circular economy while addressing global plastic pollution challenges.

13. Main characteristics and specific technological expertise of the potential partner you are looking for:

To successfully develop and commercialize paddy straw-based bioplastics for sustainable packaging, we seek a strategic partner with expertise in the following areas:

1. Core Technological Expertise

- **Bioplastic Processing & Manufacturing:** Experience in processing bio-based polymers such as PLA, PBAT, PVA. Expertise in extrusion, injection moulding, and compression moulding for packaging applications.
- **Material Science & Polymer Blending:** Proficiency in bio-composite formulation using agricultural residues like paddy straw. Ability to enhance mechanical, barrier, and biodegradability properties.

2. Industry & Commercial Capabilities

- **Pilot-Scale & Industrial-Scale Manufacturing:** Capacity to scale up bio-composite production from lab-scale to industrial application. Established facilities for testing biodegradable packaging performance.
- **Market Access & Regulatory Compliance:** Knowledge of industrial packaging standards (ASTM D-5338, ISO 14855, EN 13432, etc.). Connections with eco-conscious packaging buyers, food & consumer goods manufacturers.

14. Are you interested to pitch your company & project at our upcoming India – Sweden meets?

Match Making Event 1: **Online Mode**

Match Making Event 2: **Online Mode**

The information collected in the interest form will only be used for the match-making activities to India-Spain Joint Call For R&D&I Projects 2024(DST-TDB – CDTI CALL FOR PROPOSALS UNDER THE INDIA – SPAIN PROGRAMME OF COOPERATION ON INDUSTRIAL RESEARCH AND DEVELOPMENT)
