

**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: Crispblue Space and Communication Technology Solutions Pvt.Ltd(A Startup organization. DPIIT No: DIPP147261)

2. Company Profile:

Crispblue is a pioneering technology company specializing in the design, development, and deployment of innovative space technology and electronics solutions. We harness the power of indigenous R&D to drive growth, sustainability, and national security.

Focus Areas

- a) ***Indigenous GNSS with NAVIC***: Developing cutting-edge Positioning Devices that revolutionize various sectors, including Space, Defence, Railways, Transport, Agriculture, Civil, and Commercial.
- b) ***PNT (Positioning, Navigation, and Timing)***: Providing accurate PNT information to enable critical services across sectors.
- c) ***Customer-Centric GNSS Solutions***: Offering tailored solutions to meet specific industry needs.

Mission

To be a leader in indigenous space technology and electronics solutions, fostering innovation, self-reliance, and excellence.

Vision

To create a robust ecosystem for space technology and electronics innovation, driving advancements in satellite systems, navigation, communication, and space exploration.

Products and Services

- a). ***GNSS with NAVIC-based Positioning Devices***: High-accuracy devices for various industries.
- b). ***GNSS Receivers***: Customizable receivers for precise positioning and timing.
- c) ***PNT Solutions***: Integrated solutions for critical infrastructure and services.
- d)***Research and Development***: Collaborative R&D services with Govt agencies, academics and Private .

Key Benefits

- a). ***Improved Accuracy***: Enhanced positioning and timing accuracy.

- b). ***Increased Efficiency***: Optimized operations and reduced costs.
- c). ***Enhanced Security***: Secure and reliable solutions for critical infrastructure.
- d) ***Indigenous Innovation***: Supporting national security and self-reliance through indigenous R&D..

3. Country (India/Spain) :india

4. Sector and subsectors: ...Sectors: Aerospace, Defence, Railways, Transport, Survey and Commercials.

Subsectors: a)Navigation, communication and Space exploration. b) Global Navigation Satellite System and PNT information. c)Navigation and Timing. d) IndegenousR&D.

5. Year Established: 2022

6. Contact Information:Pallab Chakrabarty. Founder and Director

7. First Name Pallab

8. Last Name: Chakrabarty

9. Email Id::pkcin@yahoo.com, director@crispblue.in

10. Phone Number:...+918637505015

11. Website: www.crispblue.in

12. Proposed Project Summary.-2:

Proposal 2: UAV Based Disaster monitoring/Space Weather Monitoring /Floods,etc.using GNSS-R(Reflectometry) Technology with Associate Warning System with key benifits.

Considering Spain's geography and climate, this GNSS-R, based technology, will be an unique proposition which is very much useful on the following application areas;

1. ***GNSS-based Wildfire Detection and Monitoring***: Spain is prone to devastating wildfires, especially during hot and dry summers. A GNSS-based system could provide early detection and monitoring of wildfires, enabling authorities to respond quickly and effectively.

2. Flood Monitoring.

Alternative Approach:

Another approach could be:

1. ***Integration with existing emergency management systems***: Spain has a well-established emergency management system. Integrating GNSS reflectometry technology with these systems could enhance their capabilities and provide more accurate and timely information for emergency responders.

Key Benefits:

The benefits of GNSS reflectometry technology in Spain include:

- a) ***Improved wildfire management***: Early detection and monitoring of wildfires enable authorities to respond quickly and effectively.
- b) ***Enhanced public safety***: Timely warnings and critical information help protect people and property.
- c) ***Reduced economic impact***: Containing wildfires minimizes economic damage to agriculture, infrastructure, and tourism.

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

- Satellite Navigation
- AI based Computing
- Edge Computing

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

Match Making Event 1: Online/Off-line Mode

Match Making Event 2: Online/Off-line 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)
