



Biotechnology Industry Research Assistance Council (A Govt of India Enterprise)

Announces 5th Call



of

Social Innovation Programme for Products: Affordable & Relevant to Societal Health (SPARSH)

Innovate for Agriculture

with focus on

Innovative Diagnostic tools for Soil and Plant Health

Areas for support

- Development of efficient, low cost, easy to use sensors for estimation of pH, moisture, macro and micronutrients, organic matter, etc. for on the spot soil fertility analysis
- Development of software and mobile app to analyse test results for appropriate soil amendments
- Use of GIS, GPS, and Remote Sensing techniques for capturing variability in soil fertility
- Big data analytics tools and techniques, IOT, etc.
- Tools/techniques for estimation of both pathogenic (fungi, nematodes, etc.) as well as beneficial organisms (rhizobia, mycorrhizae, etc.) in the soil
- Development of sensors/simple tools for estimation of nutritional status in plant tissue to determine nutrient deficiency and plan proper fertilizer application
- Rapid, specific and low cost diagnostic kits for on-site detection of various plant diseases caused by bacteria, viruses, fungi, etc. to minimize production losses
- Other related activities

Who can apply

- Indian start-ups, entrepreneurs, Limited Liability Partnership (LLP)
- Indian Academic Scientists, Researchers, Ph.D.s (willing to incubate in a business incubator)

How to apply

Proposals are required to be submitted **online only**. For scheme details and submission of proposal, please log on to BIRAC website (www.birac.nic.in)

Last date for submission of proposals: 15 March 2017

For queries, please contact

Head – Investment: investment.birac@gov.in or Senior Manager: sparsh.birac@nic.in