



Call for Letters of Intent (LOI) -Research on key components or resources for Biomedical Technologies



Closing Date: 15th September, 2022

1. Background

DBT has been at the forefront of supporting research aimed at the development of affordable healthcare technologies - diagnostics, implants, assistive devices, bioinstrumentation, scaffolds, grafts, drug delivery vehicles etc. - through the Biomedical Engineering program. More than 80% of healthcare technologies required for Indian population are met through imports. One of the primary reasons for this is the unmet need for resources, key components involved in the making of healthcare devices/technologies. India has established leadership in design fabrication and assembly, however, R&D on indigenization of biomedical research resources will ensure self reliance in this domain.

2. Purpose

This call is addressed to Indian scientists to undertake research & develop key components or resources required in the making of the various healthcare technologies including diagnostics, implants, scaffolds, assistive technologies etc.

3. Models of Support

3 categories of funding options are available

Category	Description	Duration
Phase-I	Novel scientific ideas with sound rationale for establishing proof of concept	18 months
Phase- II	PoC to be available, research for advancing TRL, to include pilot/pivotal studies with proposed components/resources	3 years
Centre of Excellence in biomedical engineering	Inter-institutional, multi-disciplinary teams with proven expertise for developing high risk, indigenous medical technologies	5 years

4. Eligibility

Researchers / Scientists working in the Government Organizations / Universities /Academic Institutions / National Laboratories / SIRO recognized Non-Profit Organizations, with sound scientific & technical backgrounds and relevant publications in the proposed areas can submit projects proposals. Field validation of the devices is highly desirable

5.Proposal Format & Submission

How to Apply: Interested investigators/clinical researchers/scientists with novel ideas working in recognized R&D Institutions can come together to submit the LOIs (not exceeding a max of 10 pages) to Dr. Kalaivani Ganesan, Scientist 'F' through email to meddevice@dbt.nic.in as per the format given below on or before **15th September, 2022**. No hard copy to be submitted.

Format for LoI

1. Project Title:
2. Category of support:

Phase I	<input type="checkbox"/>
Phase II	<input type="checkbox"/>
COE	<input type="checkbox"/>
3. Name(s) of the Investigators/Institute/Email/Contact Number Lead Investigator[s]
4. Single or Multicentric
5. Interconnectivity between modules and Team management plan (if applicable)
6. Plans for governance/ coordination/ risk mitigation
7. Scientific Rationale
8. Objectives and Outcomes
9. Applicability of the proposed research (please specify: diagnostics, implants, assistive devices, bioinstrumentation, scaffolds, grafts, drug delivery vehicles etc.)
10. India vs Global research & market statistics of the proposed healthcare products
11. Work plan (Milestones, Budget)
12. CV of the investigators as per format (Annexure I)

(Annexure I)

1.Name :.....

2.Date of Birth:.....3.Sex (M/F):.....

4.Designation.....

5.Department:.....

6.Institute/University:.....

7.Address:.....

.....PIN

:.....Telephone:.....e-mail:.....

8. Specialization/Research Areas.....

9. Education Details (Post-graduation onwards & Professional Career)

SR. NO.	DEGREE AWARDED	INSTITUTION/PLACE	YEAR	FIELD OF STUDY

10. Employment Details: Position and Employment (Starting with the most recent employment)

SR. NO.	INSTITUTION/PLACE	DESIGNATION	FROM DATE	TO DATE

11. Awards/Honors Details

12. Details of ongoing/completed projects.

13. Publications of the last 5 years in relevant areas.