

CALL FOR PROPOSALS  
*For*

**BIOMEDICAL DEVICE AND TECHNOLOGY  
DEVELOPMENT PROGRAMME**

*under*  
(TECHNOLOGY DEVELOPMENT PROGRAMME)

**Last Date of Submission: 31<sup>st</sup> May, 2018**

Department of Science and Technology has initiated a programme on **Biomedical Device and Technology Development (BDTD)** during the year, 2016. BDTD has been evolved considering the concern of medical device industry to develop new innovative products as per global standards. The focus of DST- BDTD is on development of devices and related technologies. The categories listed for support include under this call include:

- a) **Late-Stage Prototype Development** (Fabrication of compact prototype for testing and validation)
- b) **Pilot Scale Testing and validation:** (Upon completion of the technology's design, fabrication final testing with limited number of prototypes) with mandatory (manufacturer) industry participation.

**IDENTIFIED AREAS**

Following areas have been identified for development of innovative devices for diagnosis, prevention, monitoring:

- Non invasive devices to record physiological parameters for long term monitoring
- Preventive healthcare-Mass Screening devices
- Malnutrition in children (Minimally invasive technologies to monitor brain, vision, auditory function in children or any other parameter)
- Oral/Dental health
- Mental health
- Post Surgery / Trauma patient care
- Non communicable diseases
  - Cardiovascular diseases
  - Cancer
  - Life style disorders

**Any proposal not in the scope of the call will be deterred.**

**WHO CAN SUBMIT PROJECT PROPOSALS**

The Project Proposal could be submitted for financial support though **ONLINE MODE ONLY** by scientist/ engineers/ technologists/doctors working in Universities and other

academic institutions; R&D institutions/ laboratories having adequate infrastructure and facilities to carry out R&D work.

The investigators/ R&D Group should have adequate experience and expertise in the relevant area of proposal. **A Clinician from reputed hospital should be part of investigating team as Co-PI**

Financial support is provided only for temporary staff salaries, equipment, consumables, domestic travel and other miscellaneous items. No support is provided towards basic infrastructure and building and International travel.

**Kindly note that:**

1. Information regarding Proof of Concept and Early prototype should be provided in the project proposal.
2. Investigators can submit only one proposal against BDTD 2018 Call as **PI/Co-PI**. Submission of more than one proposal from a PI/Co-PI, would liable to disqualification of all the submitted proposals. PIs whose proposal have been recommended/ awarded for grant from DST under BDTD programme are not eligible to apply.
3. The ethical clearances wherever necessary may be appended to the proposal.
4. No support will be provided for Large Scale Clinical Trials and Certification of Device. The support is available only for limited validation at two or three centres.
5. Grant-in-aid support is not available for industry and individuals.
6. **The areas like antibody based diagnostics kits and bioengineering products without any electronic component, hospital consumables and chemicals, implants and implantable devices, stents, biomaterials development, standalone software development, telemedicine modules are beyond the scope of this call.**

**POINTS TO BE KEPT IN MIND WHILE SUBMITTING PROJECT PROPOSALS**

1. Involvements of clinician and industries

The mandatory participation of clinician as a Co-PI is required to understand the users perspective.

It is envisaged that the end product of development shall be transferred to industries for commercial production. Hence it is desirable that industry (s) may be associated with project right from the beginning with defined participation in technical terms.

As far as possible the proposed device should have sufficient users in the country and there should be adequate demand for the product.

2. Project Duration

The projects should be time-bound normally for duration of 2-3 years depending upon the device/technologies to be developed.

3. Monitoring of the Project

Implementation of the projects is monitored regularly through Progress Reports, Financial Statements and Committee of Experts in Group review meetings and onsite as well.

## **PROCEDURE FOR SUBMISSION OF PROJECT PROPOSALS**

The Project Proposal can be submitted via **ONLINE MODE ONLY** ([www.online dst.gov.in](http://www.online.dst.gov.in)). In addition, two (2) hard copies of the project proposal should be submitted in the enclosed format to DST.

*The project proposal may be sent to:-*

**Dr. Neeraj Sharma**

Adviser & Head

Technology Development & Transfer Division

Department of Science & Technology

Technology Bhavan, New Mehrauli Road

NEW DELHI – 110016

*For further queries related to call, please contact:*

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