

## GRAND CHALLENGE

# BIOMEDICAL DEVICE AND TECHNOLOGY DEVELOPMENT PROGRAMME

*under*  
(TECHNOLOGY DEVELOPMENT PROGRAMME)

**Last Date of Submission: 31<sup>st</sup> March, 2021**

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.

**Grand Challenge: Totally indigenous, economical, readily scalable, point-of-care devices for quick detection of anemia and malnutrition including vitamin deficiencies like Vit A, Vit D and Vit B12 and mineral deficiencies. Device should be compatible with high throughput and surveillance needs. (INDUSTRY PARTICIPATION MANDATORY, CONSORTIUM APPROACH PREFERRED, OPEN FOR SIX MONTHS)**

### **WHO CAN SUBMIT PROJECT PROPOSALS**

The Project Proposal should be submitted for financial support through **ONLINE MODE ONLY** by scientist/ engineers/ technologists 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 a 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, building and International travel. No financial support will be provided to the industry partner.

### **Kindly note that:**

- The PI(s) should have relevant experience as evident from previous prototype commercialization or development or practical experience in the chosen area/topic with field knowledge.

- Autonomous Remote / point-of-care diagnostic and therapeutic devices to bridge rural-urban divide in healthcare will be encouraged.
- The proposed device should be bridging an existing gap in diagnosis or treatment or surveillance, or should significantly enhance the performance with indigenization at affordable cost.
- Inventive or Innovative to generate IPR and other rights.
- The laboratories and institutions should be well-equipped and preferably have all the essential equipment and infrastructure for the prototype development.
- The ethical clearances, wherever necessary, may be appended with the proposal.
- 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.

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

#### 1. Project Duration

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

#### 2. Monitoring of the Project

Implementation of the project will be monitored periodically through Group review meetings.

#### 3. Incomplete Application formats will be summarily rejected.

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

The Project Proposal should be submitted through **ONLINE MODE ONLY** ([www.online.dst.gov.in](http://www.online.dst.gov.in)). **Hard copies are not required.**

For any queries related to Call, please contact:

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