

Extension of Last Date for project submission in

CALL FOR PROPOSALS

For

DEVICE DEVELOPMENT PROGRAMME

under

(TECHNOLOGY DEVELOPMENT PROGRAMME)

Last Date of Submission: 16th February, 2018

The Department of Science & Technology (DST) under its Device Development Programme has been promoting and supporting activities related to indigenous development of selected devices in the country. During recent past, DST has supported the development of instruments/devices etc. at various R&D institutions/universities. This has resulted in development of these instruments and subsequent transfer of know-how to various production agencies for their commercial production.

IDENTIFIED AREAS:

Following areas have been identified and project proposals may be submitted for development of device in the following areas: -

- **Measuring/ Monitoring devices/instruments: -**
 - ❖ Low cost IR spectrophotometers (NIR & MIR)
 - ❖ Low cost Raman spectrophotometers.
 - ❖ Low cost GC, HPLC instruments.
 - ❖ Micro-fluidic platforms for various applications.
 - ❖ Vibration Measuring/Monitoring Instruments
 - ❖ Straightness Measuring Instruments
 - ❖ Teaching Aid Instruments
 - ❖ Quality Measuring Instruments
 - ❖ Sensor based devices

- **Food adulteration detection devices: -**
 - ❖ Affordable devices to check for adulteration in food, including grains, spices and raw & processed food.
 - ❖ Devices for detection of hazardous elements in food like lead, mercury, arsenic etc.

- **Plants diseases detection devices.**
 - ❖ Low cost, fast and compact device for the detection of disease in plants.
 - ❖ Spectroscopic systems for quantification of disease level in plants.
- **Environmental monitoring devices/ Early warning Systems: -**
 - ❖ Low cost kit for automobile exhaust emission measurement.
 - ❖ Instrument for pollution measuring and monitoring systems
- **IoT enabled industrial systems:-**
 - ❖ IOT enabled industrial systems for various applications
- **Disaster management in sewages and Man-holes:**
 - ❖ Novel systems for detection and monitoring of hazardous gases like Methane and Hydrogen Sulphide in sewage and man-holes.
- **Textile Instrumentation**
 - ❖ Instruments for texture evaluation and inspection of textile surface profile.
 - ❖ Multi-axial testing systems for woven, knitted, nonwoven textile and composite laminated structures.
 - ❖ Axial impact testing of linear textile elements like fibers, yarns and ropes.

WHO CAN SUBMIT PROJECT PROPOSALS

The Project Proposal could be submitted for financial support though **ONLINE MODE ONLY** by Scientists/ Engineers/ Technologists working in Universities and other Academic institutions; R&D institutions/ laboratories having adequate infrastructure and facilities to carry out R&D work.

Financial support is provided only for temporary staff salaries, equipment, consumables, domestic travel and other miscellaneous items. No support is provided towards basic infrastructure, buildings and International travel. The investigators/ R&D Group should have adequate experience and expertise in the relevant area of proposal.

PROCEDURE FOR SUBMISSION OF PROJECT PROPOSALS

The Project Proposal could be submitted though **ONLINE MODE ONLY** (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
