

**Title:** Facility Creation for Vibration Testing under Controlled Environment

**Duration:** 5 years (Apr 2024 – Mar 2029)

**Objectives:**

- Setting up of a state-of-the-art electrodynamic shaker facility integrated with a climatic chamber for vibration testing under controlled temperature and humidity conditions.
- Procurement of an advanced shock testing facility to evaluate the resilience and reliability of products subjected to shock loads.
- Establish a dedicated drop testing facility to assess product durability during handling and transportation.

**Progress Highlights:**

- Purchase Order for the electrodynamic shaker system with climatic chamber has been successfully placed.
- Procurement process for the shock and drop testing facilities is currently in progress.

**Future Programme:**

- Installation and commissioning of the electrodynamic shaker with climatic chamber.
- Completion of procurement, installation and commissioning of the shock and drop testing facilities.

**Team:**

Dr. Mohit Verma

Dr. C. Bharathi Priya

Dr. P. Kamatchi

Mrs. R. Sreekala

Dr. G. V. Rama Rao

Dr. S. R. Balasubramanian

Shri. J. C. Sunil

*Date: 9<sup>th</sup> June 2026*